



200 West Mercer St. ■ Suite 401 ■ Seattle, WA 98119
Phone: 206.378.1364 ■ Fax: 206.217.0089 ■ www.windwardenv.com

February 14, 2014

de maximis, inc.
Willard Potter
186 Center Street Suite 290
Clinton, New Jersey 08809

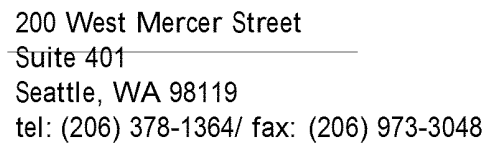
Dear Willard,
Please find our invoice #0114 for Professional Time Rendered from January 1, 2014 to January 31, 2014 for The Passaic RI/FS project.

Task	Amount
Task 11 - Meetings and Communications	1,573.58
Task 16.13 Fish and Crab Tissue Chemistry	4,707.23
Task 16.14 Sm Forage Fish 2010 Tissue Rpt	2,774.05
Task 16.3 Lab Coordination	1,557.36
Task 18.10 Bioaccumulation Rpt	1,505.99
Task 18.11 Benthic '10 Comm Srvy-Data Rpt	440.33
Task 18.2 Benthic Lab Coordination	486.68
Task 18.5.2 Rsp EPA Cmtns on Benth CommRpt	881.43
Task 18.6.1 Rspnd to EPA Cmtns ToxTestRpt	467.75
Task 18.8.2 Lab Coordination	608.35
Task 18.9 Benthic Surv Sed Chem Report	2,806.50
Task 21.7 Avian 2011 Wnt/Spr Report	40.56
Task 22.3.1 EPA cmtns on Habitat Report	405.57
Task 23.2.4 CBS Spring 2011 Data Report	3,055.25
Task 26 CPG Strategic Support	1,925.07
Task 32.2 Bioaccumulation Model	24,551.59
Task 39.4 Background Sediment Chem Rpt	81.11
Task 39.6 Reference Toxicity Test Rpt	559.68
Task 40.4 Bckgrd Tissue Database Coordina	59.48
Task 40.5 Background Tissue Chem Report	121.67
Task 42 LPRSA Survey Summary	12,334.51
Task 44 Develop Exposure Point Conc.	1,384.32
Task 45.0 BERA Technical Approach	30,330.72
Task 45.2 Problem Formulation	3,504.06
Task 45.3 Benthic Assessment	32,455.83
Task 45.4 Plant/amphib/rept Assessment	1,314.02
Task 45.5 Fish Assessment	5,708.28

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Task 45.7 Uncertainty Evaluation	1,082.15
Task 45.8 Report Preparation	56,295.08
Task 47 FS Support	11,923.56
Task 48 RI Support	45,858.33
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	\$ 250,800.09
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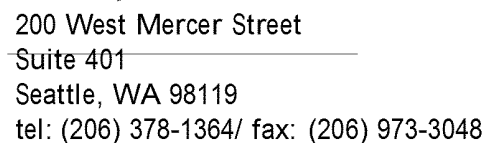


Invoice Date: 1/ 31/ 2014

Invoice Number: 12257

Passaic RI/ FS
Willard Potter
186 Center Street Suite 290
Clinton, NJ 08809

FOIA_07123_0000828_0003

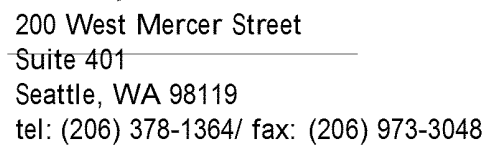


Invoice Date: 1/ 31/ 2014

Invoice Number: 12258

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Willard Potter
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Clinton, New Jersey 08809

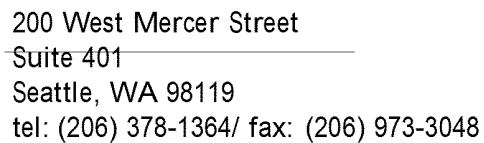
Total	\$4,707.23
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Invoice Number: 12259

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Total	\$2,774.05
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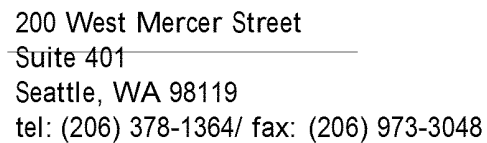


Invoice Date: 1/ 31/ 2014

Invoice Number: 12260

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FOIA_07123_0000828_0006

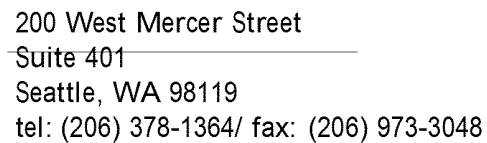


Invoice Date: 1/ 31/ 2014

Invoice Number: 12261

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Total	\$1,505.99
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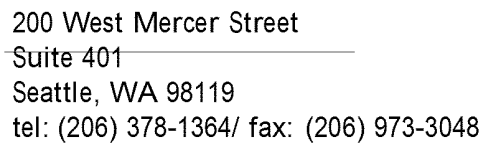


Invoice Date: 1/ 31/ 2014

Invoice Number: 12262

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Total	\$440.33
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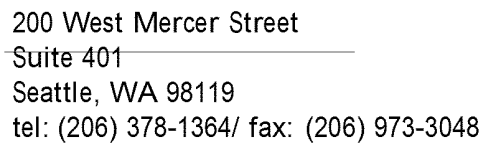


Invoice Date: 1/ 31/ 2014

Invoice Number: 12263

Passaic RI/ FS
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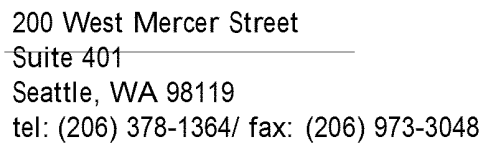
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Invoice Number: 12264

de maximis, inc.
Willard Potter
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Clinton, New Jersey 08809

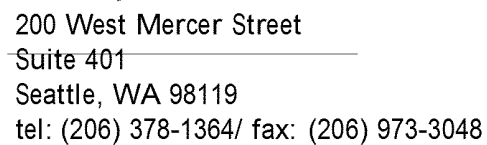
Total	\$881.43
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Invoice Number: 12265

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Total	\$467.75
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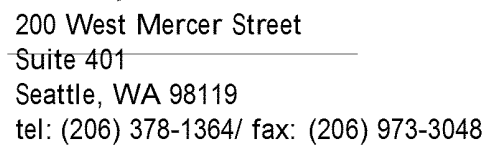


Invoice Date: 1/ 31/ 2014

Invoice Number: 12266

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Willard Potter
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FOIA_07123_0000828_0012

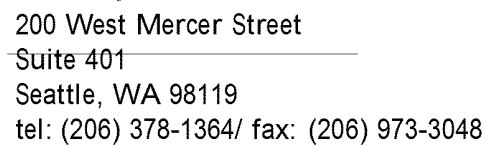


Invoice Date: 1/ 31/ 2014

Invoice Number: 12267

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Willard Potter
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FOIA_07123_0000828_0013

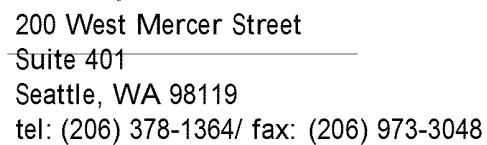


Invoice Date: 1/ 31/ 2014

Invoice Number: 12268

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FOIA_07123_0000828_0014



Invoice Date: 1/ 31/ 2014

Invoice Number: 12269

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Total	\$405.57
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Task 23.2.4 CBS Spring 2011 Data Report

Invoice Date: 1/ 31/ 2014

Invoice Number: 12270

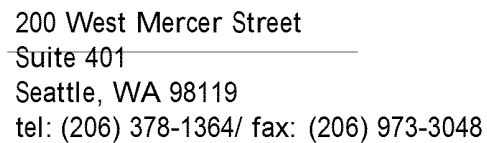
Bill To

de maximis, inc.
Willard Potter
186 Center Street Suite 290
Clinton, New Jersey 08809

Description	Units	Rate	Amount
LABOR from January 1, 2014 to January 31, 2014			
Jennifer Parker	12.25	157.50	1,929.38
Mike Yarnes	4	94.50	378.00
Lisa Saban	2.5	168.00	420.00
Thai Do	1.25	115.50	144.38
Shana Schorsch	1	94.50	94.50
Subtotal			2,966.26
Markup 3%		3.00%	88.99
Total Labor			3,055.25

Total

\$3,055.25



Invoice Date: 1/ 31/ 2014

Invoice Number: 12271

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Total	\$1,925.07
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Task 32.2 Bioaccumulation Model

Invoice Date: 1/ 31/ 2014

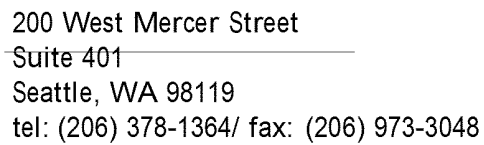
Invoice Number: 12272

Bill To

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Description	Units	Rate	Amount
LABOR from January 1, 2014 to January 31, 2014			
Kim Goffman	60.5	115.50	6,987.75
John Toll	51	168.00	8,568.00
Nate Lewis	44	115.50	5,082.00
Nancy Judd	0.25	157.50	39.38
Susan McGroddy	4	168.00	672.00
Shana Schorsch	1	94.50	94.50
Subtotal			21,443.63
Markup 3%		3.00%	643.31
Total Labor			22,086.94
 COSTS			
Travel (John1/ 6/ 14)		30.00	30.00
Travel (John1/ 10/ 14)		35.00	35.00
Travel (John1/ 10/ 14)		25.00	25.00
Travel (BOA1/ 15/ 14)		50.00	50.00
Travel (BOA1/ 15/ 14)		1,636.00	1,636.00
Travel (BOA1/ 15/ 14)		68.20	68.20
Travel (BOA1/ 15/ 14)		16.95	16.95
Total Costs			1,861.15
 PER DIEM			

Total

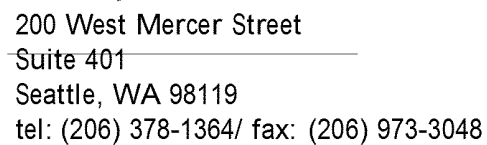


Invoice Date: 1/ 31/ 2014

Invoice Number: 12272

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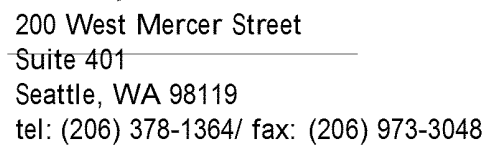


Invoice Date: 1/ 31/ 2014

Invoice Number: 12273

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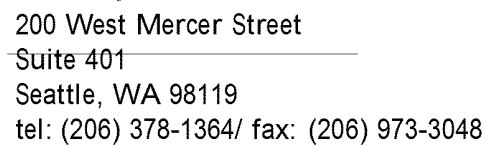


Invoice Date: 1/ 31/ 2014

Invoice Number: 12274

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Clinton, New Jersey 08809

Total	\$559.68
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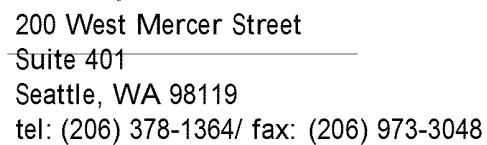


Invoice Date: 1/ 31/ 2014

Invoice Number: 12275

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FOIA_07123_0000828_0022



Invoice Date: 1/ 31/ 2014

Invoice Number: 12276

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Total	\$121.67
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Task 42 LPRSA Survey Summary

Invoice Date: 1/ 31/ 2014

Invoice Number: 12277

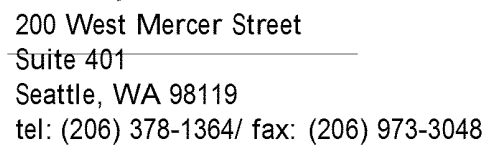
Bill To

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186 Center Street Suite 290
Clinton, New Jersey 08809

Description	Units	Rate	Amount
LABOR from January 1, 2014 to January 31, 2014			
John Toll	43.5	168.00	7,308.00
Karen Tobiason	0.5	157.50	78.75
Lisa Saban	18.5	168.00	3,108.00
Brian Church	2	115.50	231.00
Mike Johns	7	178.50	1,249.50
Subtotal			11,975.25
Markup 3%		3.00%	359.26
Total Labor			12,334.51

Total

\$12,334.51



Invoice Number: 12278

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Willard Potter
186 Center Street Suite 290
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Total	\$1,384.32
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Task 45.0 BERA Technical Approach

Invoice Date: 1/ 31/ 2014

Invoice Number: 12279

Bill To

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 Willard Potter
 186 Center Street Suite 290
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Description	Units	Rate	Amount
LABOR from January 1, 2014 to January 31, 2014			
Siobhan Sloan-Evans	13	115.50	1,501.50
Shannon Katka	4.5	157.50	708.75
Lisa Saban	56.5	168.00	9,492.00
Mike Johns	50	178.50	8,925.00
Linda Marsh	0.5	94.50	47.25
Berit Bergquist	6.25	157.50	984.38
Brian Church	1	115.50	115.50
Shana Schorsch	0.5	94.50	47.25
Subtotal			21,821.63
Markup 3%		3.00%	654.65
Total Labor			22,476.28
 COSTS			
Supplies (BOA1/ 15/ 14)		35.95	35.95
Travel (Mike1/ 16/ 14)		48.00	48.00
Travel (Mike1/ 16/ 14)		25.00	25.00
Travel (BOA1/ 15/ 14)		15.00	15.00
Travel (BOA1/ 15/ 14)		1,461.00	1,461.00
Travel (BOA1/ 15/ 14)		1,461.00	1,461.00
Travel (BOA1/ 15/ 14)		1,636.00	1,636.00
Travel (BOA1/ 15/ 14)		84.00	84.00

Total



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Task 45.0 BERA Technical Approach

Invoice Date: 1/ 31/ 2014

Invoice Number: 12279

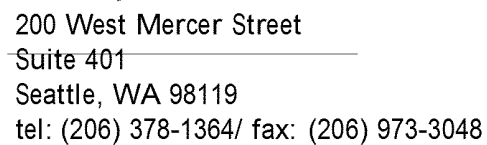
Bill To

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Willard Potter
186 Center Street Suite 290
Clinton, New Jersey 08809

Description	Units	Rate	Amount
Travel (BOA1/ 15/ 14)		1,636.00	1,636.00
Travel (Lisa1/ 16/ 14)		40.00	40.00
Supplies (BOA1/ 15/ 14)		25.00	25.00
Supplies (BOA1/ 15/ 14)		41.95	41.95
Communicaton (ATConference642068-0114)		138.54	138.54
Total Costs			6,647.44
PER DIEMS:			
Lisa Saban		603.50	603.50
Mike Johns		603.50	603.50

Total

\$30,330.72



Invoice Date: 1/ 31/ 2014

Invoice Number: 12280

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186 Center Street Suite 290
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Task 45.3 Benthic Assessment

Invoice Date: 1/ 31/ 2014

Invoice Number: 12281

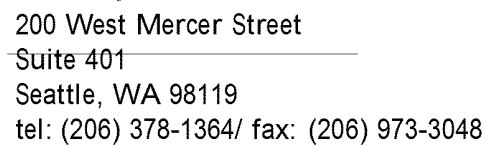
Bill To

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Willard Potter
186 Center Street Suite 290
Clinton, New Jersey 08809

Description	Units	Rate	Amount
LABOR from January 1, 2014 to January 31, 2014			
Lucinda Tear	13	157.50	2,047.50
Siobhan Sloan-Evans	2.25	115.50	259.88
Brian Church	111.25	115.50	12,849.38
David DeForest	1	157.50	157.50
Mike Johns	18	178.50	3,213.00
Karen Tobiason	68.5	157.50	10,788.75
Lisa Saban	7	168.00	1,176.00
Shana Schorsch	1	94.50	94.50
John Toll	5.5	168.00	924.00
Subtotal			31,510.51
Markup 3%		3.00%	945.32
Total Labor			32,455.83

Total

\$32,455.83



Invoice Date: 1/ 31/ 2014

Invoice Number: 12282

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Willard Potter
186 Center Street Suite 290
Clinton, New Jersey 08809

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Task 45.5 Fish Assessment

Invoice Date: 1/ 31/ 2014

Invoice Number: 12283

Bill To

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Willard Potter
186 Center Street Suite 290
Clinton, New Jersey 08809

Description	Units	Rate	Amount
LABOR from January 1, 2014 to January 31, 2014			
Matt Luxon	21.5	157.50	3,386.25
Shannon Katka	1	157.50	157.50
Lisa Saban	4	168.00	672.00
Mike Johns	4	178.50	714.00
John Toll	3.5	168.00	588.00
Subtotal			5,517.75
Markup 3%		3.00%	165.53
Total Labor			5,683.28
 COSTS			
Supplies (BOA1/ 15/ 14)		25.00	25.00

Total

\$5,708.28



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Task 45.7 Uncertainty Evaluation

Invoice Date: 1/ 31/ 2014

Invoice Number: 12284

Bill To

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Willard Potter
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Description	Units	Rate	Amount
LABOR from January 1, 2014 to January 31, 2014			
Siobhan Sloan-Evans	3.5	115.50	404.25
Suzanne Replinger	5	115.50	577.50
Subtotal			981.75
Markup 3%		3.00%	29.45
Total Labor			1,011.20
 COSTS			
Supplies(BOA1/ 15/ 14)		35.00	35.00
Supplies (BOA1/ 15/ 14)		35.95	35.95
Total Costs			70.95

Total

\$1,082.15



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Task 45.8 Report Preparation

Invoice Date: 1/ 31/ 2014

Invoice Number: 12285

Bill To

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 Willard Potter
 186 Center Street Suite 290
 Clinton, New Jersey 08809

Description	Units	Rate	Amount
LABOR from January 1, 2014 to January 31, 2014			
Berit Bergquist	109	157.50	17,167.50
Siobhan Sloan-Evans	35	115.50	4,042.50
Shannon Katka	61.25	157.50	9,646.88
Linda Marsh	35.75	94.50	3,378.38
Rocky Wells	7.25	115.50	837.38
Thai Do	35	115.50	4,042.50
Jennifer Parker	6	157.50	945.00
Linda Cognato	31.25	115.50	3,609.38
Shana Schorsch	75	94.50	7,087.50
Kim Galimanis	0.25	115.50	28.88
Suzanne Replinger	0.75	115.50	86.63
Karen Tobiason	11.75	157.50	1,850.63
Susan McGroddy	4.5	168.00	756.00
David DeForest	2	157.50	315.00
Lisa Saban	5	168.00	840.00
Subtotal			54,634.16
Markup 3%		3.00%	1,639.02
Total Labor			56,273.18
COSTS			
Supplies (UWInvoice#LIB004943)		21.90	21.90

Total

\$56,295.08



200 West Mercer Street
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Task 47 FS Support

Invoice Date: 1/ 31/ 2014

Invoice Number: 12286

Bill To

de maximis, inc.
Willard Potter
186 Center Street Suite 290
Clinton, New Jersey 08809

Description	Units	Rate	Amount
LABOR from January 1, 2014 to January 31, 2014			
Brian Church	3.75	115.50	433.13
John Toll	14.5	168.00	2,436.00
Mike Johns	28	178.50	4,998.00
Jennifer Parker	6.25	157.50	984.38
Lisa Saban	8	168.00	1,344.00
Karen Tobiason	8.25	157.50	1,299.38
Shana Schorsch	0.25	94.50	23.63
Kim Goffman	0.5	115.50	57.75
Subtotal			11,576.27
Markup 3%		3.00%	347.29
Total Labor			11,923.56

Total

\$11,923.56



200 West Mercer Street
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tel: (206) 378-1364/ fax: (206) 973-3048

Task 48 RI Support

Invoice Date: 1/ 31/ 2014

Invoice Number: 12287

Bill To

de maximis, inc.
Willard Potter
186 Center Street Suite 290
Clinton, New Jersey 08809

Description	Units	Rate	Amount
LABOR from January 1, 2014 to January 31, 2014			
Brian Church	29	115.50	3,349.50
Thai Do	55	115.50	6,352.50
Lisa Saban	18.5	168.00	3,108.00
Siobhan Sloan-Evans	68	115.50	7,854.00
Karen Tobiason	41.75	157.50	6,575.63
Linda Marsh	10.5	94.50	992.25
Jennifer Parker	8.75	157.50	1,378.13
Mike Johns	4	178.50	714.00
Berit Bergquist	56	157.50	8,820.00
Kim Goffman	10.5	115.50	1,212.75
Shana Schorsch	7.75	94.50	732.38
Shannon Katka	16.25	157.50	2,559.38
Mike Yarnes	9.25	94.50	874.13
Subtotal			44,522.65
Markup 3%		3.00%	1,335.68
Total Labor			45,858.33

Total

\$45,858.33

PASSAIC RI/FS - PER DIEM TRACKING

Task 32.2

January 2014 Invoice

John Toll	
Monday, January 06, 2014	175.75
Tuesday, January 07, 2014	191.00
Wednesday, January 08, 2014	191.00
Thursday, January 09, 2014	45.75
Friday, January 10, 2014	
Saturday, January 11, 2014	
Sunday, January 12, 2014	
TOTAL	603.50

PASSAIC RI/FS - PER DIEM TRACKING
Task 45.0 BERA Technical Approach
January 2014 Invoice

	Lisa Saban	Mike Johns	Total
Monday, January 06, 2014			-
Tuesday, January 07, 2014	175.75	175.75	351.50
Wednesday, January 08, 2014	191.00	191.00	382.00
Thursday, January 09, 2014	191.00	191.00	382.00
Friday, January 10, 2014	45.75	45.75	91.50
Saturday, January 11, 2014			-
Sunday, January 12, 2014			-
TOTAL	603.50	603.50	1,207.00

Passaic Labor Report

Task 11 - Meetings and Communications

Chris Nelson

Date	Hours	Rate	Extended	Notes
1/8/2014	2.00	115.50	\$231.00	Assisting Lisa with budgets
1/16/2014	2.00	115.50	\$231.00	Assisting Lisa with budgets
1/17/2014	0.50	115.50	\$57.75	Assisting Lisa with budgets
Summary for Chris Nelson	4.50		\$519.75	

Lisa Saban

Date	Hours	Rate	Extended	Notes
1/16/2014	2.00	168.00	\$336.00	budget tracking and scheduling
1/29/2014	2.00	168.00	\$336.00	SOW and task planning.
1/30/2014	2.00	168.00	\$336.00	continue sow and task planning
Summary for Lisa Saban	6.00		\$1,008.00	
Summary for Task 11 - Meetings and Communications	10.50		\$1,527.75	

Task 16.13 Fish and Crab Tissue Chemistry

Jennifer Parker

Date	Hours	Rate	Extended	Notes
1/10/2014	4.50	157.50	\$708.75	Created RTC and began making changes to data report in response to EPA comments.
1/13/2014	7.00	157.50	\$1,102.50	Worked on revising data report to address EPA comments.
1/14/2014	6.00	157.50	\$945.00	Continued to work on revising data report to address EPA comments and worked on RTC.
1/17/2014	1.25	157.50	\$196.88	Coordinated with QC staff and updated PM on status.
1/22/2014	1.50	157.50	\$236.25	Continued working on updating fish/crab data report in response to EPA comments.

1/27/2014	1.50	157.50	\$236.25	Continued revising data report to address EPA comments and prepared data report for technical review.
1/30/2014	2.00	157.50	\$315.00	Addressed technical review comments and prepared revised data report for delivery to dmi and updated PM.
Summary for Jennifer Parker		23.75	\$3,740.63	

Lisa Saban

Date	Hours	Rate	Extended	Notes
1/30/2014	2.50	168.00	\$420.00	review fish & crab report and rtc and discuss with jenn.
Summary for Lisa Saban		2.50	\$420.00	

Lucinda Tear

Date	Hours	Rate	Extended	Notes
1/23/2014	2.00	157.50	\$315.00	Correct rounding for slope and intercept in text boxes of lipid-chem regressions Appendix K
Summary for Lucinda Tear		2.00	\$315.00	

Shana Schorsch

Date	Hours	Rate	Extended	Notes
1/30/2014	1.00	94.50	\$94.50	Review redline for delivery to dmi
Summary for Shana Schorsch		1.00	\$94.50	

Summary for Task 16.13 Fish and Crab Tissue Chemistry
29.25 \$4,570.13

Task 16.14 Sm Forage Fish 2010 Tissue Rpt

Jennifer Parker

Date	Hours	Rate	Extended	Notes
1/17/2014	1.00	157.50	\$157.50	Conducted initial review of EPA comments and splits data.
1/21/2014	2.00	157.50	\$315.00	Created RTC and reviewed splits data. Contacted SGS-AP about sample LPR6-DCWB-COMP02 as requested in splits report.
1/22/2014	4.25	157.50	\$669.38	Continued working on updating data report to address EPA comments. Discussed results with SGS-AP.

1/23/2014	0.75	157.50	\$118.13	Coordinated with statistician to address EPA comments on regression figures. Continued to revise report based on EPA comments.
1/24/2014	3.50	157.50	\$551.25	Updated appendix file with new figures to address EPA comments and continued to work on RTC and report revisions. Sent files to PM for technical review
1/31/2014	1.50	157.50	\$236.25	Addressed technical review comments and prepared revised data report for delivery to dmi. Updated PM on status of data report revisions.

Summary for Jennifer Parker				
	13.00		\$2,047.50	

Lisa Saban

Date	Hours	Rate	Extended	Notes
1/27/2014	3.00	168.00	\$504.00	review sff rpt, go over % moisture issue, review rtc, discuss with jenn.
Summary for Lisa Saban	3.00		\$504.00	

Shana Schorsch

Date	Hours	Rate	Extended	Notes
1/31/2014	1.50	94.50	\$141.75	Review redline for delivery to dmi
Summary for Shana Schorsch	1.50		\$141.75	

Summary for Task 16.14 Sm Forage Fish 2010 Tissue Rpt				
	17.50		\$2,693.25	

Task 16.3 Lab Coordination

Mike Yarnes

Date	Hours	Rate	Extended	Notes
1/17/2014	6.50	94.50	\$614.25	Began working on conducting QC in response to EPA comments.
1/22/2014	5.50	94.50	\$519.75	Began work QCing section 4 of the fish data chemistry section in response to EPA comments.
1/23/2014	4.00	94.50	\$378.00	Finished work QCing section 4 of the fish data chemistry section in response to EPA comments.
Summary for Mike Yarnes	16.00		\$1,512.00	

Summary for Task 16.3 Lab Coordination				
	16.00		\$1,512.00	

Task 18.10 Bioaccumulation Rpt

Jennifer Parker

Date	Hours	Rate	Extended	Notes
1/8/2014	0.25	157.50	\$39.38	Updated validation report appendix (Appendix L).
1/10/2014	1.25	157.50	\$196.88	Reviewed RTC and revisions based on EPA comments. Discussed additional revisions with project team.
1/23/2014	2.00	157.50	\$315.00	Prepared data report for delivery to dmi. Updated data management appendix based on comments received on the caged bivalve report.
Summary for Jennifer Parker				
	3.50		\$551.25	

Karen Tobiason

Date	Hours	Rate	Extended	Notes
1/10/2014	0.50	157.50	\$78.75	Review EPA comments on the bioaccumulation report, discuss adding summary of the lumbriculus 4-day toxicity test results.
1/13/2014	0.75	157.50	\$118.13	Work on summary of lumbriculus 4d screening test results for inclusion in the data report per EPA comments.
1/22/2014	1.50	157.50	\$236.25	Add a table showing results of the 4-day screening test with Lumbriculus per EPA comment and provide summary of the results; update the RTC.
Summary for Karen Tobiason				
	2.75		\$433.13	

Lisa Saban

Date	Hours	Rate	Extended	Notes
1/22/2014	2.00	168.00	\$336.00	review rsps and changes for delivery to EPA (per epa cmts)
Summary for Lisa Saban				
	2.00		\$336.00	

Shana Schorsch

Date	Hours	Rate	Extended	Notes
1/23/2014	1.50	94.50	\$141.75	Review redline & RTC
Summary for Shana Schorsch				
	1.50		\$141.75	
Summary for Task 18.10 Bioaccumulation Rpt				
	9.75		\$1,462.13	

Task 18.11 Benthic '10 Comm Srvy-Data Rpt

Karen Tobiason

Date	Hours	Rate	Extended	Notes
1/15/2014	0.25	150.00	\$37.50	Review EPA comments
1/22/2014	2.00	150.00	\$300.00	Finalize the approved report and upload to EPA's sharepoint, CPG's project portal, and send to the NRD consultants.
Summary for Karen Tobiason				
	2.25		\$337.50	

Shana Schorsch

Date	Hours	Rate	Extended	Notes
1/22/2014	1.00	90.00	\$90.00	Finalize 2010 report
Summary for Shana Schorsch				
	1.00		\$90.00	
Summary for Task 18.11 Benthic '10 Comm Srvy-Data Rpt				
	3.25		\$427.50	

Task 18.2 Benthic Lab Coordination

Jennifer Parker

Date	Hours	Rate	Extended	Notes
1/8/2014	0.75	157.50	\$118.13	Reviewed invoices and tracked costs; continued to discuss invoices with BRL.
1/16/2014	1.00	157.50	\$157.50	Conducted QC on invoices and created storage fee summary and sent to dmi.
1/17/2014	0.75	157.50	\$118.13	Conducted initial review of EPA comments and splits data.
Summary for Jennifer Parker				
	2.50		\$393.75	

Karen Tobiason

Date	Hours	Rate	Extended	Notes
1/16/2014	0.50	157.50	\$78.75	Review invoices
Summary for Karen Tobiason				
	0.50		\$78.75	

Summary for Task 18.2 Benthic Lab Coordination**3.00****\$472.50****Task 18.5.2 Rsp EPA Cmts on Benth CommRpt****Karen Tobiason**

Date	Hours	Rate	Extended	Notes
1/6/2014	0.50	157.50	\$78.75	Review status prior to finalizing the report.
1/7/2014	1.00	157.50	\$157.50	Finalized the report approved on 1/6/14; post to EPA's Sharepoint and to CPG's project portal.
1/22/2014	0.25	157.50	\$39.38	Send the final report to the NRD consultants
Summary for Karen Tobiason	1.75		\$275.63	

Shana Schorsch

Date	Hours	Rate	Extended	Notes
1/6/2014	1.25	94.50	\$118.13	Finalize report
Summary for Shana Schorsch	1.25		\$118.13	

Thai Do

Date	Hours	Rate	Extended	Notes
1/30/2014	4.00	115.50	\$462.00	Work on salinity calcs and finding VOC documentation for LPRH17A, review field notes, forms, in response to EPA comments
Summary for Thai Do	4.00		\$462.00	

Summary for Task 18.5.2 Rsp EPA Cmts on Benth CommRpt**7.00****\$855.75****Task 18.6.1 Rspnd to EPA Cmnts ToxTestRpt****Karen Tobiason**

Date	Hours	Rate	Extended	Notes
1/10/2014	0.75	157.50	\$118.13	Work on EPA comment to the toxicity test report, review RTC.
Summary for Karen Tobiason	0.75		\$118.13	

Lisa Saban

Date	Hours	Rate	Extended	Notes
1/21/2014	2.00	168.00	\$336.00	tox tst rpt and cmnts for epa-check old emails to send infor to bill and rob.
Summary for Lisa Saban		2.00	\$336.00	
Summary for Task 18.6.1 Rspnd to EPA Cmnts ToxTestRpt		2.75	\$454.13	

Task 18.8.2 Lab Coordination**Jennifer Parker**

Date	Hours	Rate	Extended	Notes
1/2/2014	1.00	157.50	\$157.50	Discussion with Brooks Rand about storage fees for 2013, review Brooks Rand tracking spreadsheet, printing invoice for review.
1/7/2014	1.50	157.50	\$236.25	Review of invoices and tracking costs, answering question from BRL about storage invoices.
1/13/2014	1.00	157.50	\$157.50	Reviewed invoices and coordinated with ALS-CAS.
1/15/2014	0.25	157.50	\$39.38	Call with Maxxam to discuss sample storage.
Summary for Jennifer Parker		3.75	\$590.63	
Summary for Task 18.8.2 Lab Coordination		3.75	\$590.63	

Task 18.9 Benthic Surv Sed Chem Report**Jennifer Parker**

Date	Hours	Rate	Extended	Notes
1/21/2014	0.75	157.50	\$118.13	Created RTC and continued to review splits data.
1/27/2014	4.50	157.50	\$708.75	Began working on revising data report to address EPA comments, discussed field data with data manager
1/28/2014	5.00	157.50	\$787.50	Continued working on revising data report to address EPA comments and contacted AECOM to see if they had tidal cycle information.
1/30/2014	1.50	157.50	\$236.25	Continued to address EPA comments and work on RTC table.
Summary for Jennifer Parker		11.75	\$1,850.63	

Mike Yarnes

Date	Hours	Rate	Extended	Notes
1/27/2014	3.75	94.50	\$354.38	Began work on 2009/10 sed chem data report data mining water quality data and importing relevant data into document/appendices.
1/28/2014	5.00	94.50	\$472.50	Continued data mining on tidal data for 2009/10 chem data report.
1/29/2014	0.50	94.50	\$47.25	Began calculating data for sample depth averages for 2009-10 sed chem report.
Summary for Mike Yarnes				
	9.25		\$874.13	
Summary for Task 18.9 Benthic Surv Sed Chem Report				
	21.00		\$2,724.75	

Task 21.7 Avian 2011 Wnt/Spr Report**Karen Tobiason**

Date	Hours	Rate	Extended	Notes
1/15/2014	0.25	157.50	\$39.38	Review EPA comments
Summary for Karen Tobiason				
	0.25		\$39.38	
Summary for Task 21.7 Avian 2011 Wnt/Spr Report				
	0.25		\$39.38	

Task 22.3.1 EPA cmnts on Habitat Report**Karen Tobiason**

Date	Hours	Rate	Extended	Notes
1/6/2014	0.50	157.50	\$78.75	Review status prior to finalizing the report.
1/7/2014	1.00	157.50	\$157.50	Finalized the report approved on 1/6/14; post to EPA's Sharepoint and to CPG's project portal.
1/22/2014	0.25	157.50	\$39.38	Send the final habitat report to the NRD consultants
Summary for Karen Tobiason				
	1.75		\$275.63	

Shana Schorsch

Date	Hours	Rate	Extended	Notes
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1/6/2014	1.25	94.50	\$118.13	Finalize report
Summary for Shana Schorsch				
	1.25		\$118.13	
Summary for Task 22.3.1 EPA cmnts on Habitat Report				
	3.00		\$393.75	

Task 23.2.4 CBS Spring 2011 Data Report

Jennifer Parker

Date	Hours	Rate	Extended	Notes
1/17/2014	0.50	157.50	\$78.75	Conducted initial review of EPA comments and splits data.
1/21/2014	0.75	157.50	\$118.13	Created RTC and continued to review splits data.
1/23/2014	4.00	157.50	\$630.00	Continued to revise caged bivalve report and appendices based on EPA comments.
1/24/2014	3.50	157.50	\$551.25	Continued to revise report based on EPA comments. Discussed field questions with field personnel.
1/27/2014	1.50	157.50	\$236.25	Continued working on revising data report to address EPA comments.
1/30/2014	2.00	157.50	\$315.00	Addressed technical review comments and prepared revised data report for delivery to dmi and updated PM.
Summary for Jennifer Parker				
	12.25		\$1,929.38	

Lisa Saban

Date	Hours	Rate	Extended	Notes
1/29/2014	2.50	168.00	\$420.00	review cbs rpt and rtc and discuss with jenn.
Summary for Lisa Saban				
	2.50		\$420.00	

Mike Yarnes

Date	Hours	Rate	Extended	Notes
1/24/2014	2.00	94.50	\$189.00	Began working on caged bivalve comments from EPA.
1/27/2014	2.00	94.50	\$189.00	Continued and finished edits and QC to caged bivalve data per EPA comments.
Summary for Mike Yarnes				
	4.00		\$378.00	

Shana Schorsch

Date	Hours	Rate	Extended	Notes
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1/30/2014	1.00	94.50	\$94.50	Review redline for delivery dmi
Summary for Shana Schorsch				
	1.00		\$94.50	

Thai Do

Date	Hours	Rate	Extended	Notes
1/29/2014	1.25	115.50	\$144.38	Review/address EPA comments to CBS data report
Summary for Thai Do				
	1.25		\$144.38	
Summary for Task 23.2.4 CBS Spring 2011 Data Report				
	21.00		\$2,966.25	

Task 26 CPG Strategic Support

Lisa Saban

Date	Hours	Rate	Extended	Notes
1/29/2014	0.50	168.00	\$84.00	SOW development, messaging strategy with Mike.
Summary for Lisa Saban				
	0.50		\$84.00	

Mike Johns

Date	Hours	Rate	Extended	Notes
1/2/2014	2.00	178.50	\$357.00	Working on how to tie BERA together with conclusion story boards
1/6/2014	4.00	178.50	\$714.00	Working on messaging strategy for CSM
1/16/2014	4.00	178.50	\$714.00	Responding to request to pull together benthic CSM talking points
Summary for Mike Johns				
	10.00		\$1,785.00	
Summary for Task 26 CPG Strategic Support				
	10.50		\$1,869.00	

Task 32.2 Bioaccumulation Model

John Toll

Date	Hours	Rate	Extended	Notes
1/6/2014	1.00	168.00	\$168.00	Prep for TC

1/8/2014	3.50	168.00	\$588.00	CPG TC meeting
1/9/2014	7.50	168.00	\$1,260.00	CPG RASC meeting
1/15/2014	7.00	168.00	\$1,176.00	Drafted report outline, worked with AQ on model linkage issues, worked on CSM issues
1/16/2014	4.00	168.00	\$672.00	Reviewed PCB partitioning study
1/17/2014	8.00	168.00	\$1,344.00	Worked on issues related to the impending release of the FFS
1/21/2014	6.00	168.00	\$1,008.00	Regression modeling, BSAF calcs, agenda for MSC, reviewed risk calculation summary prepared for EPA
1/22/2014	3.00	168.00	\$504.00	Analyses of site-specific bioaccumulation information
1/23/2014	2.00	168.00	\$336.00	Worked on exposure depth and partitioning questions from TC
1/30/2014	3.00	168.00	\$504.00	Reviewed latest model runs
1/31/2014	6.00	168.00	\$1,008.00	Worked on MSC and EPA meeting materials
Summary for John Toll				
	51.00		\$8,568.00	

Kim Goffman

Date	Hours	Rate	Extended	Notes
1/2/2014	3.00	115.50	\$346.50	Resume preparation of NBSA dataset (start CARP data reduction).
1/6/2014	4.00	115.50	\$462.00	Continue reduction of CWCM datasets. Document matrix inconsistencies for discussion with ddms.
1/7/2014	5.50	115.50	\$635.25	Continue reduction of CWCM datasets. Review AECOM QAPPs for sampling methodology and analytical plan.
1/8/2014	7.00	115.50	\$808.50	Continue reduction of CWCM datasets. Resolve matrix inconsistencies and download updated dataset from ddms server.
1/9/2014	6.00	115.50	\$693.00	Continue reduction of CWCM datasets. Compile metadata from QAPPs to provide context to chemistry data.
1/10/2014	3.00	115.50	\$346.50	Continue reduction of CWCM datasets. Reconcile and update chemical lists.
1/14/2014	4.00	115.50	\$462.00	Continue reduction of CWCM datasets; identify and flag 'best result' for calculated sums.
1/15/2014	6.00	115.50	\$693.00	Continue reduction of CWCM datasets. Revise inconsistent qualifiers and units, calculate and QC sums.
1/16/2014	4.00	115.50	\$462.00	Continue reduction of CWCM datasets. Location-average dataset to eliminate field dups.
1/17/2014	6.00	115.50	\$693.00	Finish reduction of CWCM datasets. Compare BERA dataset with latest edition and identify/resolve differences. Upload to SQL server for general use.
1/22/2014	3.00	115.50	\$346.50	Prepare exports summarizing high-volume water data. Locate and download soil washing data.
1/23/2014	2.00	115.50	\$231.00	Identify RM 10.9 porewater dataset and begin download/reduction process.
1/24/2014	2.00	115.50	\$231.00	Continue reduction of porewater dataset.
1/27/2014	2.00	115.50	\$231.00	Continue reduction of porewater dataset.
1/29/2014	3.00	115.50	\$346.50	Finish reduction of porewater dataset; export data and summary stats for general use.

Summary for Kim Goffman

60.50

\$6,987.75

Nancy Judd

Date	Hours	Rate	Extended	Notes
1/9/2014	0.25	157.50	\$39.38	Call with AQ about fluff layer and particulates output from F+T model
Summary for Nancy Judd	0.25		\$39.38	

Nate Lewis

Date	Hours	Rate	Extended	Notes
1/7/2014	7.25	115.50	\$837.38	Review of new calibration inputs and comparison to previous inputs
1/9/2014	5.00	115.50	\$577.50	Review of AQ modeling input template changes
1/10/2014	6.50	115.50	\$750.75	Modifying AQ input templates and updating model code to reflect new floc layer input
1/16/2014	5.00	115.50	\$577.50	Review of OC Simplification approach on FWM calibration
1/17/2014	4.25	115.50	\$490.88	Calculation of long term BSAFs for 2378-TCDD and TetraCB
1/21/2014	4.50	115.50	\$519.75	Review of FWM calibration inputs provided by AQ by depth
1/25/2014	4.50	115.50	\$519.75	Running 2 layer projections and summarizing model output
1/27/2014	5.00	115.50	\$577.50	Comparing 2, 5, 10, and 15 layer projections
1/30/2014	2.00	115.50	\$231.00	Comparing 2, 5, 10, and 15 layer projections
Summary for Nate Lewis	44.00		\$5,082.00	

Shana Schorsch

Date	Hours	Rate	Extended	Notes
1/27/2014	1.00	94.50	\$94.50	EN refs
Summary for Shana Schorsch	1.00		\$94.50	

Susan McGroddy

Date	Hours	Rate	Extended	Notes
1/16/2014	1.00	168.00	\$168.00	Review PCB partitioning study
1/17/2014	1.50	168.00	\$252.00	Review PCB partitioning study
1/20/2014	1.50	168.00	\$252.00	Review bioaccumulation analyses
Summary for Susan McGroddy	4.00		\$672.00	

Summary for Task 32.2 Bioaccumulation Model**160.75****\$21,443.63****Task 39.4 Background Sediment Chem Rpt****Karen Tobiason**

Date	Hours	Rate	Extended	Notes
1/8/2014	0.50	157.50	\$78.75	Send data validation report for dioxins/furans to EPA.
Summary for Karen Tobiason				
	0.50		\$78.75	
Summary for Task 39.4 Background Sediment Chem Rpt				
	0.50		\$78.75	

Task 39.6 Reference Toxicity Test Rpt**Karen Tobiason**

Date	Hours	Rate	Extended	Notes
1/15/2014	0.25	157.50	\$39.38	Review EPA comments
Summary for Karen Tobiason				
	0.25		\$39.38	

Lisa Saban

Date	Hours	Rate	Extended	Notes
1/16/2014	1.50	168.00	\$252.00	review epa cmts.
1/23/2014	1.50	168.00	\$252.00	start to review epa cmts
Summary for Lisa Saban				
	3.00		\$504.00	
Summary for Task 39.6 Reference Toxicity Test Rpt				
	3.25		\$543.38	

Task 40.4 Bckgrd Tissue Database Coordina**Kim Goffman**

Date	Hours	Rate	Extended	Notes
1/7/2014	0.50	115.50	\$57.75	Prepare regional tissue dataset for AECOM (HHRA).

Summary for Kim Goffman

0.50

\$57.75

Summary for Task 40.4 Bckgrd Tissue Database Coordina

0.50

\$57.75

Task 40.5 Background Tissue Chem Report

Karen Tobiason

Date	Hours	Rate	Extended	Notes
1/24/2014	0.75	157.50	\$118.13	Send the data report to Sue Hardin per dmi request.
Summary for Karen Tobiason	0.75		\$118.13	

Summary for Task 40.5 Background Tissue Chem Report

0.75

\$118.13

Task 42 LPRSA Survey Summary

Brian Church

Date	Hours	Rate	Extended	Notes
1/21/2014	2.00	115.50	\$231.00	Supporting CSM for BERA/bioaccumulation model
Summary for Brian Church	2.00		\$231.00	

John Toll

Date	Hours	Rate	Extended	Notes
1/13/2014	8.00	168.00	\$1,344.00	Reviewed and revised the ecological setting and benthic community CSM.
1/23/2014	6.00	168.00	\$1,008.00	TC mid-month call and prepared/submitted presentation slide deck for next week's CSM meeting with Region 2
1/24/2014	8.00	168.00	\$1,344.00	Drafted, annotated and submitted a slide deck covering CSM sections 3.4, 4.1 and depth of BAZ
1/27/2014	4.50	168.00	\$756.00	CPG CSM meetings and presentation prep
1/28/2014	8.00	168.00	\$1,344.00	CSM meeting prep
1/29/2014	8.00	168.00	\$1,344.00	CSM meeting
1/30/2014	1.00	168.00	\$168.00	Reviewed risk calcs for CSM.
Summary for John Toll	43.50		\$7,308.00	

Karen Tobiason

Date	Hours	Rate	Extended	Notes
1/13/2014	0.50	157.50	\$78.75	Reiview list of documents for CSM 2013
Summary for Karen Tobiason	0.50		\$78.75	

Lisa Saban

Date	Hours	Rate	Extended	Notes
1/21/2014	4.00	168.00	\$672.00	support csm team and benthic csm key points for csm
1/23/2014	3.00	168.00	\$504.00	develop talking points for john in next weeks epa csm mgt
1/24/2014	4.50	168.00	\$756.00	continue to develop support and talking points for john in next wks csm mgt
1/27/2014	2.00	168.00	\$336.00	prep for site-wide mgt with epa
1/28/2014	2.00	168.00	\$336.00	prep john of rsite-wide mgt with epa
1/29/2014	3.00	168.00	\$504.00	attend via phone and follow up on site-wide csm mgt with epa
Summary for Lisa Saban	18.50		\$3,108.00	

Mike Johns

Date	Hours	Rate	Extended	Notes
1/27/2014	3.00	178.50	\$535.50	prepare for CSM meeting with EPA.
1/29/2014	4.00	178.50	\$714.00	Attend CSM meeting with EPA
Summary for Mike Johns	7.00		\$1,249.50	

Summary for Task 42 LPRSA Survey Summary
71.50 \$11,975.25

Task 44 Develop Exposure Point Conc.**Lisa Saban**

Date	Hours	Rate	Extended	Notes
1/2/2014	2.00	168.00	\$336.00	review epcs
1/3/2014	2.00	168.00	\$336.00	review epcs
1/16/2014	4.00	168.00	\$672.00	review of EPC with change in water conc.
Summary for Lisa Saban	8.00		\$1,344.00	

Summary for Task 44 Develop Exposure Point Conc.**8.00****\$1,344.00****Task 45.0 BERA Technical Approach****Berit Bergquist**

Date	Hours	Rate	Extended	Notes
1/6/2014	1.00	157.50	\$157.50	reviewed slide presentation for RASC
1/7/2014	2.00	157.50	\$315.00	come up with alternatives for risk calculations for RASC presentation; edits to slides
1/22/2014	1.75	157.50	\$275.63	Conference call to discuss wildlife section comments
1/30/2014	1.50	157.50	\$236.25	Conference call to discuss comments on Environmental Setting and Benthic sections
Summary for Berit Bergquist	6.25		\$984.38	

Brian Church

Date	Hours	Rate	Extended	Notes
1/31/2014	1.00	115.50	\$115.50	Creating slides of assessment flowcharts for upcoming presentation to EPA
Summary for Brian Church	1.00		\$115.50	

Linda Marsh

Date	Hours	Rate	Extended	Notes
1/3/2014	0.50	94.50	\$47.25	Made a slide of the benthic WOE.
Summary for Linda Marsh	0.50		\$47.25	

Lisa Saban

Date	Hours	Rate	Extended	Notes
1/2/2014	2.00	168.00	\$336.00	prepare for RASC and TC mgt.
1/3/2014	2.00	168.00	\$336.00	prepare for rasc and tc mgt.
1/6/2014	8.00	168.00	\$1,344.00	prep for tc/rasc mgt. reviewing BERA schedule and final outcomes.
1/7/2014	8.00	168.00	\$1,344.00	prep for TC and RASC mgts.
1/8/2014	8.00	168.00	\$1,344.00	attend TC mgt.
1/9/2014	8.00	168.00	\$1,344.00	attend RASC mgt.
1/10/2014	4.00	168.00	\$672.00	follow up from RASC mgt.

1/13/2014	3.00	168.00	\$504.00	review BERA tasks and effort.
1/14/2014	1.50	168.00	\$252.00	technical review of BERA
1/15/2014	2.00	168.00	\$336.00	technical review of BERA
1/16/2014	2.00	168.00	\$336.00	technical review of BERA
1/21/2014	2.00	168.00	\$336.00	prepare for upcoming epa-ri/fs mgt and review status of rasc action items
1/22/2014	4.00	168.00	\$672.00	prepare for, attend, and respond to BERA cmts from RASC on todays call for the wildlife section of the BERA.
1/27/2014	2.00	168.00	\$336.00	reviewing tasks and budgets and preparing for next weeks mgts
Summary for Lisa Saban				
	56.50		\$9,492.00	

Mike Johns

Date	Hours	Rate	Extended	Notes
1/2/2014	2.00	178.50	\$357.00	Work on TC/RASC presentation
1/3/2014	4.00	178.50	\$714.00	Work on TC/RASC presentation
1/6/2014	4.00	178.50	\$714.00	Finish presentation material for TC/RASC
1/7/2014	8.00	178.50	\$1,428.00	Prepare for RASC comments on BERA and interpretation analysis
1/8/2014	8.00	178.50	\$1,428.00	Attend TC meeting
1/9/2014	8.00	178.50	\$1,428.00	Attend RASC meeting
1/15/2014	4.00	178.50	\$714.00	Working on issues rasied during final review of BERA
1/17/2014	4.00	178.50	\$714.00	Final rush of changes and review to consider before document is shipped
1/22/2014	2.00	178.50	\$357.00	Attend call on comments to wildlife section
1/23/2014	3.00	178.50	\$535.50	Attend mid-month TC call; working to help prep JT for EPA CSM meeting
1/30/2014	3.00	178.50	\$535.50	prepare presentation materials
Summary for Mike Johns				
	50.00		\$8,925.00	

Shana Schorsch

Date	Hours	Rate	Extended	Notes
1/31/2014	0.50	94.50	\$47.25	Flowcharts for presentation
Summary for Shana Schorsch				
	0.50		\$47.25	

Shannon Katka

Date	Hours	Rate	Extended	Notes
1/2/2014	1.00	157.50	\$157.50	meeting on risk conclusions and slides for CPG meeting

1/5/2014	0.75	157.50	\$118.13	review of slides for CPG presentation on BERA conclusions and results
1/7/2014	1.25	157.50	\$196.88	review alternative analysis slides for CPG presentation; review risk conclusion slides
1/30/2014	1.50	157.50	\$236.25	revise/create flowcharts for LOE analysis summary for each receptor group in prep for EPA presentation
Summary for Shannon Katka				
	4.50		\$708.75	

Siobhan Sloan-Evans

Date	Hours	Rate	Extended	Notes
1/2/2014	2.75	115.50	\$317.63	BERA meeting on document status, upcoming presentation, etc.; support to Lisa Saban for presentation prep (comparison of changes in risk estimates using SLERA and BERA TRVs)
1/3/2014	3.00	115.50	\$346.50	support to Lisa Saban for presentation prep (comparison of changes in risk estimates using SLERA and BERA TRVs)
1/6/2014	4.25	115.50	\$490.88	support to lisa s. and mike j. for presentation (sensitivity analysis of risk outcomes, powerpoint prep); meeting on document production schedule/status
1/7/2014	0.50	115.50	\$57.75	support to lisa s. and mike j. for presentation (sensitivity analysis of risk outcomes, powerpoint prep)
1/10/2014	1.25	115.50	\$144.38	BERA update meeting (overview of summary and conclusions, production schedule, etc.)
1/14/2014	1.00	115.50	\$115.50	meetings on BERA summary/conclusions, overall structure, document-wide changes, etc.
1/17/2014	0.25	115.50	\$28.88	discussion of expanding BERA Appendix M
Summary for Siobhan Sloan-Evans				
	13.00		\$1,501.50	

Summary for Task 45.0 BERA Technical Approach
132.25 \$21,821.63

Task 45.2 Problem Formulation

Brian Church

Date	Hours	Rate	Extended	Notes
1/2/2014	2.00	115.50	\$231.00	Providing revisions to Environmental Setting section with Shana;
1/6/2014	2.00	115.50	\$231.00	providing edits and coordinating on other sections (environmental setting)
1/9/2014	8.00	115.50	\$924.00	Continued env setting support by updating Appendix M (still waiting on full reference list), and Appendices N and O (carp and floc, not necessarily in that order); incorporated text into CSM and Environmental Settings sections to address comments from Lisa in N and O as well as an email from earlier this week; receiving guidance on FSR interpretation from Lucinda

Summary for Brian Church

12.00

\$1,386.00

Lisa Saban

Date	Hours	Rate	Extended	Notes
1/2/2014	4.00	168.00	\$672.00	prob form section changes.
1/14/2014	4.00	168.00	\$672.00	update envir setting and pf.
1/15/2014	4.00	168.00	\$672.00	continue on envir setting and pf

Summary for Lisa Saban

12.00

\$2,016.00

Summary for Task 45.2 Problem Formulation

24.00

\$3,402.00

Task 45.3 Benthic Assessment

Brian Church

Date	Hours	Rate	Extended	Notes
1/2/2014	2.25	115.50	\$259.88	Touching base on benthic with Karen, Mike, and Lisa; providing edits to benthic WOE section based on revised calculations of WOE (which were also calculated today); coordinating on map updates of WOE; making revisions to Appendices as needed
1/3/2014	4.50	115.50	\$519.75	Providing updated text and revisions to benthic section in coordination with Karen; calculating results for updated forward stepwise regression analysis to inform future possible analyses (i.e., those that are stated in the RARC)
1/6/2014	6.50	115.50	\$750.75	Continuing to work on various pieces of the benthic ERA: writing in benthic section; appendices to the BERA (carp and floc); multivariate analyses for future drafts (FSR and PCA summary); discussing use of PCA with Mike and Karen.
1/7/2014	8.50	115.50	\$981.75	Updating the benthic bera text to include rural reference WOE information; coordinating with Karen on finishing touches; finishing and summarizing FSR within the individual datasets; updating appendices, particularly Appendix M, which requires some additional literature search for completeness
1/8/2014	9.00	115.50	\$1,039.50	Updating various appendices, particularly M; responding to emails; discussing FSR results and interpretation with Lucinda
1/10/2014	7.75	115.50	\$895.13	Update Appendices (correlation tables) to be consistent with current language in the BERA, adding appropriate titles, and cleaning up formats; internal discussion regarding the PCA discussion, state of multilinear regression, conclusions section for benthic bera; coordinating on several aspects of benthic section; responding to emails
1/13/2014	4.75	115.50	\$548.63	Continuing to update and coordinate with editors on appendices and BERA sections

1/14/2014	2.00	115.50	\$231.00	Updating reference list for Appendix M; coordinating with Karen, editors on various sections of the benthic BERA and Environmental Settings.
1/15/2014	6.00	115.50	\$693.00	coordinating with several people on revisions to Section 2, 3, 6, appendices; writing up PCA section; updating Appendix M reference list
1/16/2014	5.00	115.50	\$577.50	Continuing to update Appendices M (finished), B (annotated table of contents), and addressing lingering comments in Sections 2,3,6; responding to emails
1/17/2014	7.75	115.50	\$895.13	Coordinating with editors to finalize BERA draft, particularly in Appendices; beginning expansion of Appendix M to include all Jamaica Bay taxa (182 additional, 42% expansion of database); discussing tasks with Mike (prioritizing) and John (interest in NOM analysis and literature search); responding to emails.
1/21/2014	2.00	115.50	\$231.00	Continuing to update Appendix M, expanding to include all taxa from Jamaica Bay--in preparation for discussions with EPA
1/22/2014	5.50	115.50	\$635.25	Continuing to update benthic database (Appendix M) (i.e., literature search and database development) with Jamaica Bay species information
1/23/2014	4.00	115.50	\$462.00	Continuing to expand appendix m with amphipod information in particular; responding to email concerning RASC meeting action item--likelihood of recruitment of benthic after restoration?
1/24/2014	5.75	115.50	\$664.13	Continuing to update Appendix M with additional species information for Jamaica Bay species
1/27/2014	0.50	115.50	\$57.75	Continuing to update Appendix M with species info
1/28/2014	6.75	115.50	\$779.63	Continuing to update Appendix M with additional information for both Jamaica Bay and LPRSA species regarding likely depth of activity, tolerance, feeding guild, and successional stage; creating flow chart figure to describe the WOE process for future BERA drafts
1/29/2014	8.75	115.50	\$1,010.63	Continuing to update Appendix M, finalizing both feeding guild and depth characteristics and summarizing depth for both the LPRSA and Jamaica Bay species in terms of dominant taxa; producing tables for discussion; responding to emails; internal discussion regarding upcoming conference call and presentation on benthic and environmental settings sections of BERA
1/30/2014	8.00	115.50	\$924.00	Calculating several outputs from the expanded Appendix M for biomass and abundance based analyses; conference call on BERA sections (including benthic as well as environmental settings); running outlier analysis using ProUCL to determine how that would affect our interpretation; calculating 95% confidence on 90th percentiles of the reference data to investigate the sensitivity of using a minimum as the definition of the reference range; providing summaries to mike and lisa
1/31/2014	6.00	115.50	\$693.00	Continuing investigation of the impact of using LTLs instead of minimums as thresholds for comparing reference to the LPRSA; summarizing for partners; reviewing leaf litter/detritus literature and summarizing for John, etc.; continuing to work on PCA summary for future BERA submittal
Summary for Brian Church		111.25	\$12,849.38	

David DeForest

Date	Hours	Rate	Extended	Notes
1/2/2014	1.00	157.50	\$157.50	Review and revisions to SEM-AVS text in benthic assessment
Summary for David DeForest	1.00		\$157.50	

John Toll

Date	Hours	Rate	Extended	Notes
1/10/2014	1.00	168.00	\$168.00	Staff meeting to discuss multivariate analysis results
1/14/2014	4.50	168.00	\$756.00	BERA review
Summary for John Toll	5.50		\$924.00	

Karen Tobiason

Date	Hours	Rate	Extended	Notes
1/2/2014	8.00	157.50	\$1,260.00	Evaluate MSD calculations with Lucinda, update spreadsheets and tables, incorporate discussion into Section 6, continue to review benthic community discussion.
1/3/2014	6.50	157.50	\$1,023.75	Review benthic assessment section, work on csm for conclusions.
1/6/2014	6.00	157.50	\$945.00	Work on updates to the benthic assessment section after senior review.
1/7/2014	5.50	157.50	\$866.25	Review appendices with the benthic data and calculationis, containue to review and refine the benthic assessment section
1/8/2014	6.00	157.50	\$945.00	Revise and update the benthic assessment.
1/9/2014	5.50	157.50	\$866.25	Work on revisions to the flowchart in Section 6 showing the risk characterization steps.
1/10/2014	7.00	157.50	\$1,102.50	Work on overall conclusions.
1/13/2014	4.00	157.50	\$630.00	Continue to work on the benthic section
1/14/2014	5.50	157.50	\$866.25	Work with editor to answer questions on the benthic assessment.
1/15/2014	5.00	157.50	\$787.50	Accept redline while answering lingering questions in the section to pull all the pieces together.
1/16/2014	2.50	157.50	\$393.75	Respond to editorial questions on the benthic assessment section
1/17/2014	2.00	157.50	\$315.00	Review final edits to the benthic assessment.
1/22/2014	2.50	157.50	\$393.75	Calculate statistical significance of UPR reference data sediment toxicity tests compared to negative control and evaluate implications for LPRSA data, prepare tables with results of evaluation.
1/30/2014	2.50	157.50	\$393.75	Participate in call to discuss the environmental setting section and the benthic assessment section of the BERA.

Summary for Karen Tobiason
68.50

\$10,788.75

Lisa Saban

Date	Hours	Rate	Extended	Notes
1/5/2014	4.00	168.00	\$672.00	started review of new benthic section.
1/30/2014	3.00	168.00	\$504.00	attend RASC call on benthic and follow up
Summary for Lisa Saban	7.00		\$1,176.00	

Lucinda Tear

Date	Hours	Rate	Extended	Notes
1/1/2014	1.00	157.50	\$157.50	Try different methods to repeat lab MSD calcs
1/2/2014	3.00	157.50	\$472.50	data prep and graphs for appendices; MSDs
1/3/2014	3.00	157.50	\$472.50	new boxplots with additional chemicals for appendices
1/7/2014	3.50	157.50	\$551.25	Add Bass Total TEQ Graphs to Appendix, Review Appendix Statistical Text, Review SQT Regression results, Review MSD calculations
1/13/2014	2.50	157.50	\$393.75	More review of MSD calculations
Summary for Lucinda Tear	13.00		\$2,047.50	

Mike Johns

Date	Hours	Rate	Extended	Notes
1/2/2014	3.00	178.50	\$535.50	Continue to refine text
1/10/2014	4.00	178.50	\$714.00	Final touches to benthic community risk analysis section
1/13/2014	4.00	178.50	\$714.00	Working on final review of benthic risk section of BERA
1/14/2014	3.00	178.50	\$535.50	Finished final review of section
1/29/2014	2.00	178.50	\$357.00	Prepared for BERA mtg
1/30/2014	2.00	178.50	\$357.00	Attend RASC call on BERA comments
Summary for Mike Johns	18.00		\$3,213.00	

Shana Schorsch

Date	Hours	Rate	Extended	Notes
1/8/2014	1.00	94.50	\$94.50	EN entries
Summary for Shana Schorsch	1.00		\$94.50	

Siobhan Sloan-Evans

Date	Hours	Rate	Extended	Notes
1/2/2014	2.25	115.50	\$259.88	benthic tissue assessment; benthic surface water assessment
Summary for Siobhan Sloan-Evans		2.25	\$259.88	
Summary for Task 45.3 Benthic Assessment		227.50	\$31,510.50	

Task 45.4 Plant/amphib/rept Assessment**Shana Schorsch**

Date	Hours	Rate	Extended	Notes
1/2/2014	8.50	94.50	\$803.25	working on surface water setting
1/3/2014	5.00	94.50	\$472.50	working on surface water setting
Summary for Shana Schorsch		13.50	\$1,275.75	
Summary for Task 45.4 Plant/amphib/rept Assessment		13.50	\$1,275.75	

Task 45.5 Fish Assessment**John Toll**

Date	Hours	Rate	Extended	Notes
1/14/2014	2.50	168.00	\$420.00	BERA review
1/15/2014	1.00	168.00	\$168.00	BERA review
Summary for John Toll		3.50	\$588.00	

Lisa Saban

Date	Hours	Rate	Extended	Notes
1/5/2014	4.00	168.00	\$672.00	review of fish section.
Summary for Lisa Saban		4.00	\$672.00	

Matt Luxon

Date	Hours	Rate	Extended	Notes
1/2/2014	6.00	157.50	\$945.00	Reviewing new fish dietary As TRV. Updating fish dietary TRV section. Reviewing BERA.
1/3/2014	3.50	157.50	\$551.25	Reviewing BERA sections. Revising appendices.
1/6/2014	6.50	157.50	\$1,023.75	Finalizing tissue TRV appendices. Finalizing review of toxicity profiles.
1/7/2014	4.50	157.50	\$708.75	Evaluation of ERA assumptions that EPA might disagree with. Discussion of risk drivers.
1/8/2014	0.50	157.50	\$78.75	Response to internal comments on BERA.
1/16/2014	0.50	157.50	\$78.75	Responding to internal comments on BERA.
Summary for Matt Luxon				
	21.50		\$3,386.25	

Mike Johns

Date	Hours	Rate	Extended	Notes
1/10/2014	4.00	178.50	\$714.00	Review of fish assessment text
Summary for Mike Johns				
	4.00		\$714.00	

Shannon Katka

Date	Hours	Rate	Extended	Notes
1/5/2014	0.25	157.50	\$39.38	review of additional arsenic fish dietary TRV paper
1/7/2014	0.75	157.50	\$118.13	finish QC of additional arsenic fish dietary TRV paper
Summary for Shannon Katka				
	1.00		\$157.50	
Summary for Task 45.5 Fish Assessment				
	34.00		\$5,517.75	

Task 45.7 Uncertainty Evaluation**Siobhan Sloan-Evans**

Date	Hours	Rate	Extended	Notes
1/9/2014	3.50	115.50	\$404.25	benthic/fish surface water LOE uncertainty sections
Summary for Siobhan Sloan-Evans				
	3.50		\$404.25	

Suzanne Replinger

Date	Hours	Rate	Extended	Notes
1/22/2014	2.00	115.50	\$231.00	call regarding initial comments on PRA and wildlife section; review of initial comments
1/23/2014	3.00	115.50	\$346.50	review of initial comments, chat with John Samuelian regarding PRA thoughts/questions
Summary for Suzanne Replinger				
	5.00		\$577.50	
Summary for Task 45.7 Uncertainty Evaluation				
	8.50		\$981.75	

Task 45.8 Report Preparation**Berit Bergquist**

Date	Hours	Rate	Extended	Notes
1/1/2014	10.00	157.50	\$1,575.00	write fish dietary and tissue LOE sections
1/2/2014	11.00	157.50	\$1,732.50	continue writing fish dietary and tissue sections
1/3/2014	11.00	157.50	\$1,732.50	begin writing fish conclusions sections; review fish surface water and egg tissue sections
1/4/2014	8.00	157.50	\$1,260.00	work on fish conclusions sections
1/5/2014	2.00	157.50	\$315.00	addressed comments in fish section
1/6/2014	3.50	157.50	\$551.25	updated document production schedule; reviewed Lisa's comments on fish section
1/7/2014	3.50	157.50	\$551.25	coordination for document editing; work on completing fish section for editing
1/8/2014	8.00	157.50	\$1,260.00	address internal comments to fish section; work on miscellaneous edits throughout the BERA
1/9/2014	8.00	157.50	\$1,260.00	work on conclusions section and edits/revisions throughout various sections of the BERA
1/10/2014	9.00	157.50	\$1,417.50	meet to discuss conclusions section; work on conclusions sections
1/13/2014	2.00	157.50	\$315.00	work on final conclusions sections
1/14/2014	8.00	157.50	\$1,260.00	write final overall conclusions; coordinate with Shana on document status
1/15/2014	10.00	157.50	\$1,575.00	review conclusions sections; Appendix E text and edit Appendix F; write chromium revisions for sandpiper
1/16/2014	8.00	157.50	\$1,260.00	Appendix E text and tables; other miscellaneous comments and edits for document finalization, track down references
1/17/2014	7.00	157.50	\$1,102.50	final document editing, formatting, and appendix checks for document delivery
Summary for Berit Bergquist				
	109.00		\$17,167.50	

David DeForest

Date	Hours	Rate	Extended	Notes
1/14/2014	1.00	157.50	\$157.50	QC of HQ tables
1/15/2014	1.00	157.50	\$157.50	QC of HQ tables
Summary for David DeForest	2.00		\$315.00	

Jennifer Parker

Date	Hours	Rate	Extended	Notes
1/6/2014	1.50	157.50	\$236.25	Discussed status of map with GIS staff and helped coordinate Appendix assembly with editorial staff.
1/8/2014	0.50	157.50	\$78.75	Reviewed PMs comments on environmental setting section and CSM for BERA and discussed with project team.
1/10/2014	0.50	157.50	\$78.75	Addressing editor's questions.
1/16/2014	2.00	157.50	\$315.00	Helped prepare document for delivery to CPG.
1/17/2014	1.50	157.50	\$236.25	Addressed editorial review comments in preparation of sending report out.
Summary for Jennifer Parker	6.00		\$945.00	

Karen Tobiason

Date	Hours	Rate	Extended	Notes
1/8/2014	1.50	157.50	\$236.25	Review PFD and CSM section
1/13/2014	3.25	157.50	\$511.88	Review sections of the BERA for consistency in wording and structure, work on the conclusions for the benthic assessment and overall conclusions.
1/16/2014	4.50	157.50	\$708.75	Work on pulling pieces of the BERA together.
1/17/2014	2.50	157.50	\$393.75	Work on pulling complete draft document together.
Summary for Karen Tobiason	11.75		\$1,850.63	

Kim Galimanis

Date	Hours	Rate	Extended	Notes
1/7/2014	0.25	115.50	\$28.88	chart clean-up
Summary for Kim Galimanis	0.25		\$28.88	

Linda Cognato

Date	Hours	Rate	Extended	Notes
1/7/2014	1.50	115.50	\$173.25	Editing of BERA; initial scan through BI section
1/9/2014	3.50	115.50	\$404.25	Editing of BERA. Began BI formatting fixes; added footer; checked table, map, and fig callouts; began identifying issues and making fixes
1/10/2014	1.50	115.50	\$173.25	Editing of BERA. Continued identifying issues and making fixes to BI section
1/13/2014	8.25	115.50	\$952.88	Editing of BI section. Began reading text and identifying issues.
1/14/2014	8.50	115.50	\$981.75	Editing of BI section. Continued reading text and identifying issues; initiated resolution of identified issues.
1/15/2014	8.00	115.50	\$924.00	Editing of BI section. Continued reading text and identifying issues; continued resolution of identified issues.
Summary for Linda Cognato				
	31.25		\$3,609.38	

Linda Marsh

Date	Hours	Rate	Extended	Notes
1/2/2014	4.50	94.50	\$425.25	Worked on maps and wildlife citations.
1/3/2014	7.00	94.50	\$661.50	Continued working on wildlife references and revising maps.
1/6/2014	7.50	94.50	\$708.75	Finished editing references and first draft of new maps.
1/7/2014	8.00	94.50	\$756.00	Revised environmental settings maps.
1/8/2014	4.75	94.50	\$448.88	Finished benthic map text revisions.
1/10/2014	1.00	94.50	\$94.50	Finished revising BERA maps.
1/13/2014	2.00	94.50	\$189.00	Revised an additional map.
1/16/2014	1.00	94.50	\$94.50	Revised a map figure.
Summary for Linda Marsh				
	35.75		\$3,378.38	

Lisa Saban

Date	Hours	Rate	Extended	Notes
1/17/2014	5.00	168.00	\$840.00	finalize review and post BERA to portal.
Summary for Lisa Saban				
	5.00		\$840.00	

Rocky Wells

Date	Hours	Rate	Extended	Notes
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1/2/2014	5.00	115.50	\$577.50	Reviewed BERA appendix tables; Edited BERA appendix tables; Collected data to use for box plot source
1/3/2014	2.00	115.50	\$231.00	Preparing data for comparison of tissues to background
1/8/2014	0.25	115.50	\$28.88	Summarized addition tissue background data for box plots
Summary for Rocky Wells				
	7.25		\$837.38	

Shana Schorsch

Date	Hours	Rate	Extended	Notes
1/7/2014	8.00	94.50	\$756.00	Edits to appendices & various sections
1/8/2014	6.00	94.50	\$567.00	Edits to appendices & various sections
1/9/2014	8.00	94.50	\$756.00	Edit fish section, enter EN refs
1/10/2014	8.00	94.50	\$756.00	Edit fish section, enter EN refs
1/13/2014	7.00	94.50	\$661.50	Conclusion sections, Section 4.4, EN refs
1/14/2014	6.50	94.50	\$614.25	Benthic conclusions, EN references, Appendix E reference crosscheck
1/15/2014	10.00	94.50	\$945.00	BERA edit
1/16/2014	12.50	94.50	\$1,181.25	BERA edit
1/17/2014	9.00	94.50	\$850.50	BERA edit & finalize
Summary for Shana Schorsch				
	75.00		\$7,087.50	

Shannon Katka

Date	Hours	Rate	Extended	Notes
1/2/2014	7.50	157.50	\$1,181.25	work on background figures with Lucinda (box plots); complete write-up of plant assessment; review of conclusions in surface water sections for consistency; work on adding background details to eco risk sections (calculation of background HQs)
1/3/2014	0.50	157.50	\$78.75	work with Lucinda on data needs for box plot figures; review edits to background values from QC; communication with Betsy on background analysis
1/7/2014	5.00	157.50	\$787.50	work on fish section revisions and review- fish egg section, and conclusions; finalize figures for background appendix; add in background values and text for fish tissue sections; update egg risk calculations for appendix G
1/8/2014	0.75	157.50	\$118.13	finalize background appendix per editorial review and final figures
1/9/2014	4.00	157.50	\$630.00	work on review and changes to draft of fish conclusions section
1/10/2014	7.25	157.50	\$1,141.88	reorganize and finalize draft of conclusions sections for fish, plants, zooplankton, and amphibians; meeting on overall report status and conclusion presentation strategy; review/support on TRV appendix

1/14/2014	8.00	157.50	\$1,260.00	final review and revision to text for fish, zooplankton, amphibians, and plant sections; review/revise benthic tissue section for consistency with fish tissue; work on overall conclusions based on change in terminology for COCs
1/15/2014	10.50	157.50	\$1,653.75	review, reorganizaion , and revise text in Sections 2 and 3 for overall flow and consistency with rest of document
1/16/2014	0.75	157.50	\$118.13	work on revisions to BERA draft on Appendix and on resolving review issues from sections 2 and 3
1/17/2014	4.25	157.50	\$669.38	final edits and revisions to BERA; help with final sweeps and review of document for submittal to CPG for review
1/20/2014	2.25	157.50	\$354.38	review avian reproduction/egg studies in NY Harbor area; organize BERA working files for edits per CPG review; answer support questions for CPG reviewers
1/22/2014	3.50	157.50	\$551.25	call with CPG subgroup regarding comments on wildlife ERA section; review wildlife section redline comments from OBG
1/28/2014	4.50	157.50	\$708.75	TEF uncertainty analysis - evaluation of alternative TEFs for birds and implications on calculated TEQs and risk estimates; review of regional avian population-level studies
1/30/2014	2.50	157.50	\$393.75	CPG call regarding comments to BERA benthic and problem formulation section; meet regarding comments and path forward for addressing/integrating changes in document
Summary for Shannon Katka				
	61.25		\$9,646.88	

Siobhan Sloan-Evans

Date	Hours	Rate	Extended	Notes
1/2/2014	4.00	115.50	\$462.00	Final QC of mink effects data (selected NOAELs, LOAELs); reviewing editor's comments in surface water sections
1/3/2014	3.75	115.50	\$433.13	Compilation/QC of tissue TRV data appendix; benthic surface water assessment review & edits; amphibian/reptile assessment summary & conclusions
1/6/2014	3.75	115.50	\$433.13	fish assessment - section 7.1.1 QC; QC of appendices
1/7/2014	5.75	115.50	\$664.13	risk conclusions/ecological significance of benthic surface water and tissue LOEs; fish and zooplankton surface water LOEs; miscellaneous in-text QC/updates to tables/appendices; review of SLERA as BERA appendix
1/8/2014	6.00	115.50	\$693.00	miscellaneous in-text QC/updates to tables/appendices; review of SLERA as BERA appendix
1/9/2014	3.50	115.50	\$404.25	miscellaneous in-text QC/updates to tables/appendices; review/edits of benthic and fish surface water sections
1/10/2014	5.00	115.50	\$577.50	miscellaneous in-text QC/updates to tables/appendices; review/edits of benthic and fish surface water sections; final QC of Attachment D-1 for Appendix D (formatting, data QC, etc.)
1/14/2014	1.00	115.50	\$115.50	final QC of some in-text tables in BERA
1/15/2014	0.75	115.50	\$86.63	final QC of some background in-text tables in BERA; reference checks
1/16/2014	1.50	115.50	\$173.25	misc. QC of text figures, appendices

Summary for Siobhan Sloan-Evans
35.00

\$4,042.50

Susan McGroddy

Date	Hours	Rate	Extended	Notes
1/13/2014	2.50	168.00	\$420.00	Technical review BERA Section 3 and Section 4
1/16/2014	2.00	168.00	\$336.00	BERA Technical review fish and wildlife risk characterization.
Summary for Susan McGroddy	4.50		\$756.00	

Suzanne Replinger

Date	Hours	Rate	Extended	Notes
1/8/2014	0.75	115.50	\$86.63	QC of fish egg HQs
Summary for Suzanne Replinger	0.75		\$86.63	

Thai Do

Date	Hours	Rate	Extended	Notes
1/6/2014	6.50	115.50	\$750.75	Edit/QC Section 2 through 4 map figures for BERA; review of field data to ascertain localions of reptile/turtle observations
1/7/2014	7.00	115.50	\$808.50	Review/QC Section 6 BERA map figures; review of fish catch data
1/8/2014	6.00	115.50	\$693.00	Continue with figure QC and edit/review; review fish community data for counts and locations of target species for Berit
1/9/2014	5.50	115.50	\$635.25	Addition review and QC post-edits
1/10/2014	6.00	115.50	\$693.00	Complete editorial review/QC of BERA maps, copied to document folder.
1/13/2014	4.00	115.50	\$462.00	Fianl review and edits of BERA maps
Summary for Thai Do	35.00		\$4,042.50	

Summary for Task 45.8 Report Preparation

419.75

\$54,634.13

Task 47 FS Support

Brian Church

Date	Hours	Rate	Extended	Notes
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1/3/2014	2.50	115.50	\$288.75	Providing list of citations for FS section to Marcia and Bill L at Integral
1/24/2014	1.25	115.50	\$144.38	Internal discussion regarding future benthic conditions
Summary for Brian Church	3.75		\$433.13	

Jennifer Parker

Date	Hours	Rate	Extended	Notes
1/15/2014	6.00	157.50	\$945.00	Worked on revising table to match QAPPs and data reports. Updated QAPP and report titles and QC's submittal dates. Revised table to include full citations for all Windward documents.
1/16/2014	0.25	157.50	\$39.38	Finalized summary table.
Summary for Jennifer Parker	6.25		\$984.38	

John Toll

Date	Hours	Rate	Extended	Notes
1/6/2014	2.50	168.00	\$420.00	Prep for adaptive management/contingency planning proposal, meeting
1/7/2014	6.00	168.00	\$1,008.00	Adaptive management/contingency planning proposal, meeting, prep, follow-up
1/8/2014	3.00	168.00	\$504.00	CPG TC meeting
1/22/2014	3.00	168.00	\$504.00	Assisted with the drafting of benthic CSM bullets, worked on reviewing partitioning study and other partitioning information, tracking down other data suggested by TC
Summary for John Toll	14.50		\$2,436.00	

Karen Tobiason

Date	Hours	Rate	Extended	Notes
1/15/2014	1.00	157.50	\$157.50	Prepare table of documents, linking QAPPs with data reports, for Integral (per dmi)
1/16/2014	0.50	157.50	\$78.75	Review table and send to Marcia Greenblatt
1/24/2014	1.25	157.50	\$196.88	Work on next steps for benthic assessment, work to understand recruitment under future conditions.
1/27/2014	2.50	157.50	\$393.75	Evaluate TOC at depth in sediment cores, prepare figures.
1/28/2014	1.50	157.50	\$236.25	Work on discussion
1/29/2014	1.50	157.50	\$236.25	Work on concepts related to future conditions in the LPR, evaluation of TOC at depth in sediment, benthic recruitment issues.
Summary for Karen Tobiason	8.25		\$1,299.38	

Kim Goffman

Date	Hours	Rate	Extended	Notes
1/27/2014	0.50	115.50	\$57.75	Query and summarize TOC data for subsurface sediment cores.
Summary for Kim Goffman	0.50		\$57.75	

Lisa Saban

Date	Hours	Rate	Extended	Notes
1/15/2014	2.00	168.00	\$336.00	additional support on fs
1/17/2014	1.50	168.00	\$252.00	discussions with bill re ffs
1/28/2014	4.50	168.00	\$756.00	reviewing and working with mike and brian on recruitment after remediation issue per RASC meeting.
Summary for Lisa Saban	8.00		\$1,344.00	

Mike Johns

Date	Hours	Rate	Extended	Notes
1/13/2014	4.00	178.50	\$714.00	Continuing to work on links between ERA and FS
1/15/2014	4.00	178.50	\$714.00	Working with text and issues to go to FS as requested by FS team
1/20/2014	6.00	178.50	\$1,071.00	Working on analysis on post-remediation benthic community structure
1/22/2014	2.00	178.50	\$357.00	Continuing to review literature for post-remediation benthic community analysis
1/23/2014	2.00	178.50	\$357.00	Working on post-remediation CSM concepts
1/24/2014	4.00	178.50	\$714.00	Developing CSM for post-remediation benthiccommunity structure
1/27/2014	4.00	178.50	\$714.00	begin to reserch post remediation benthic community
1/29/2014	2.00	178.50	\$357.00	Research depth of benthic community
Summary for Mike Johns	28.00		\$4,998.00	

Shana Schorsch

Date	Hours	Rate	Extended	Notes
1/22/2014	0.25	94.50	\$23.63	Summary of evidence bulletpoints
Summary for Shana Schorsch	0.25		\$23.63	
Summary for Task 47 FS Support	69.50		\$11,576.25	

Task 48 RI Support

Berit Bergquist

Date	Hours	Rate	Extended	Notes
1/21/2014	8.00	157.50	\$1,260.00	outline for Section 3.2; work on figures and summary stats tables for Section 4.3; internal meeting to discuss RI tasks
1/22/2014	6.25	157.50	\$984.38	edit Section 3.2; work on outline for Section 4.3
1/23/2014	7.75	157.50	\$1,220.63	work on writing Section 4.3 and preparing tables and graphs; finish editing Section 3.2
1/24/2014	8.00	157.50	\$1,260.00	review Section 7, work on writing Section 4.3
1/27/2014	1.00	157.50	\$157.50	coordinate preparation of box plots for RI Section 4.3
1/28/2014	5.00	157.50	\$787.50	finish internal draft of Section 4.3 - nature and extent in tissue
1/29/2014	6.00	157.50	\$945.00	start addressing internal comments on draft of Section 4.3
1/30/2014	7.00	157.50	\$1,102.50	revise Section 4.3 based on internal comments
1/31/2014	7.00	157.50	\$1,102.50	finish draft of Section 4.3 and submit to Anchor
Summary for Berit Bergquist				
	56.00		\$8,820.00	

Brian Church

Date	Hours	Rate	Extended	Notes
1/13/2014	3.00	115.50	\$346.50	beginning Section 3.2 of RI; internal discussion of RI sections and steps, scheduling, etc.
1/14/2014	6.25	115.50	\$721.88	Finishing first draft text of RI sections--3.2 and 7.2.1 and 7.2.2 subsections on SQT analysis.
1/15/2014	2.50	115.50	\$288.75	Revising sections for RI on SQT LOEs/WOE and submitting for review
1/21/2014	2.00	115.50	\$231.00	Incorporating text from Thai's previous draft of Section 2, continuing with edits of Section 3.2, reviewing revised Section 7 (SQT LOE/WOE analyses), and coordinating on various items with Karen, Siobhan, and Berit
1/22/2014	2.50	115.50	\$288.75	Making revisions to RI as per Berit's outline and discussion with Lisa; creation of figure; compilation of tables and figures
1/23/2014	3.50	115.50	\$404.25	Providing edits to Section 3.2 as per Berit's comments; revising tables and figures as well; responding to emails
1/24/2014	0.50	115.50	\$57.75	revising Section 3.2 as per Lisa's edits
1/27/2014	6.00	115.50	\$693.00	Creating figures of tissue chemistry in the LPRSA; reviewing section 7 text and providing minor edits; responding to emails.
1/28/2014	2.00	115.50	\$231.00	Providing support on various sections; reviewing text and revising as necessary; coordinating with editorial

1/30/2014	0.75	115.50	\$86.63	Revising figures of tissue chemistry in the LPRSA
Summary for Brian Church		29.00	\$3,349.50	

Jennifer Parker

Date	Hours	Rate	Extended	Notes
1/17/2014	1.50	157.50	\$236.25	Created tables for RI and coordinated with RI team
1/21/2014	2.00	157.50	\$315.00	Created appendix files for RI and coordinated with data manager. Coordinated with GIS to send AECOM data layer files.
1/22/2014	1.00	157.50	\$157.50	Continued to work on RI.
1/27/2014	1.00	157.50	\$157.50	Continued to work on RI.
1/28/2014	2.00	157.50	\$315.00	Conducted review of nature and extent section, discussed with project team, and provided review comments. Continued to work on RI.
1/30/2014	1.25	157.50	\$196.88	Worked on RI, provided feedback on mapping, table organization, and organization for nature and extent section.
Summary for Jennifer Parker		8.75	\$1,378.13	

Karen Tobiason

Date	Hours	Rate	Extended	Notes
1/13/2014	2.50	157.50	\$393.75	Work on organization of Windward's section of the RI
1/14/2014	2.00	157.50	\$315.00	Work on RI sections, call with AECOM to coordinate discussion on risk assessment summaries and investigations, review AECOM TOC for data section.
1/15/2014	2.25	157.50	\$354.38	Provide references to Anchor, coordinate writing of BERA summary and study investigation summary
1/17/2014	2.00	157.50	\$315.00	Call with RI team, review status of WW's components for the RI
1/21/2014	7.00	157.50	\$1,102.50	Review and revised the dissolved oxygen data collection summary and send to AECOM; coordinate with AECOM; work on structure of the data collection summary section with Anchor; work on Ecology section, review status of BERA summary, send references to Anchor.
1/22/2014	2.00	157.50	\$315.00	Coordinate the data collection section, work on list of maps, coordinate work on the nature and extent section.
1/23/2014	5.50	157.50	\$866.25	Coordinate with AECOM, work on data summaries, review BERA summary.
1/24/2014	2.50	157.50	\$393.75	work on nature and extent section, have call with Anchor to discuss COPCs.
1/27/2014	5.00	157.50	\$787.50	Work on data collection discussions, review the ecology section, update maps, figures, tables
1/28/2014	6.50	157.50	\$1,023.75	Review summary of BERA in Section 7 of RI, communicate with AECOM on human health COCs, prepare document and delivery to Anchor for internal review.
1/29/2014	2.00	157.50	\$315.00	Continue to work on the biota nature and extent of the RI, discuss COCs.

1/30/2014	2.50	157.50	\$393.75	Continue to discuss COCs for nature and extent, review maps and figures.
Summary for Karen Tobiason				
	41.75		\$6,575.63	

Kim Goffman

Date	Hours	Rate	Extended	Notes
1/21/2014	6.00	115.50	\$693.00	Prepare summary statistics for all LPRSA tissue (risk driver chemicals) for RI. Identify sources for data appendices for RI.
1/22/2014	3.00	115.50	\$346.50	Finish summary statistics for all LPRSA tissue (risk driver chemicals) for RI.
1/27/2014	0.50	115.50	\$57.75	Provide RI tissue dataset direction for nature/extent graphics.
1/30/2014	1.00	115.50	\$115.50	Provide add'l RI tissue datasets for boxplots.
Summary for Kim Goffman				
	10.50		\$1,212.75	

Linda Marsh

Date	Hours	Rate	Extended	Notes
1/14/2014	1.50	94.50	\$141.75	Began preparing fish sampling map layers to send to Anchor QEA.
1/15/2014	2.50	94.50	\$236.25	Finished preparing fish sampling map layers and sent to Anchor QEA.
1/16/2014	1.00	94.50	\$94.50	Worked on revising WW map layouts to match the Anchor template.
1/31/2014	5.50	94.50	\$519.75	Began revising crab and bioaccumulation TCDD maps.
Summary for Linda Marsh				
	10.50		\$992.25	

Lisa Saban

Date	Hours	Rate	Extended	Notes
1/13/2014	2.00	168.00	\$336.00	ri prep and writing assignments
1/17/2014	1.50	168.00	\$252.00	ri support.
1/22/2014	3.00	168.00	\$504.00	direct team on ri tasks and supporting text
1/23/2014	2.00	168.00	\$336.00	continued reviewing ri ecosections
1/28/2014	3.00	168.00	\$504.00	reviewing environmental section of the RI and discussing with berit and shannon.
1/29/2014	2.00	168.00	\$336.00	copc vs coc discussions and decisions: decided on coc for ri
1/30/2014	2.50	168.00	\$420.00	discussion internally and with betsy on copc vs coc and fish and crab N&E.
1/31/2014	2.50	168.00	\$420.00	review and discussion on RI fish N&E.
Summary for Lisa Saban				
	18.50		\$3,108.00	

Mike Johns

Date	Hours	Rate	Extended	Notes
1/17/2014	4.00	178.50	\$714.00	Working on material to be submitted for RI requested by RI team
Summary for Mike Johns	4.00		\$714.00	

Mike Yarnes

Date	Hours	Rate	Extended	Notes
1/22/2014	2.50	94.50	\$236.25	Began and finished building data layer packages for sharing data from multiple maps with Anchor.
1/23/2014	2.50	94.50	\$236.25	Data validation and correspondence with Anchor in regards to data layer package sharing.
1/31/2014	0.50	94.50	\$47.25	Began and finished making title changes to 9 maps.
1/31/2014	3.75	94.50	\$354.38	Began working on fish maps (perch and eel) for RI document.
Summary for Mike Yarnes	9.25		\$874.13	

Shana Schorsch

Date	Hours	Rate	Extended	Notes
1/21/2014	2.00	94.50	\$189.00	DO section of RI edit
1/28/2014	4.75	94.50	\$448.88	Section 7 language review
1/31/2014	1.00	94.50	\$94.50	Section 4 language edit.
Summary for Shana Schorsch	7.75		\$732.38	

Shannon Katka

Date	Hours	Rate	Extended	Notes
1/22/2014	4.00	157.50	\$630.00	review/revise Section 7 of RI (ERA summary)
1/23/2014	5.50	157.50	\$866.25	complete draft of RI Section 7 for internal review (4.25 hrs); support for AECOM on background evaluation (1.25 hr)
1/28/2014	3.00	157.50	\$472.50	review RI draft sections for submittal to Anchor- sections 2 and 3; review Section 4 (N&E tissue) text and figures and provide input on data presentation
1/30/2014	3.75	157.50	\$590.63	review section 4; revise section 4 figures on concentration by reach and coordinate map concentration figures for tissue data; review HHRA COC list
Summary for Shannon Katka	16.25		\$2,559.38	

Siobhan Sloan-Evans

Date	Hours	Rate	Extended	Notes
1/13/2014	5.25	115.50	\$606.38	Meeting on production timeline for RI; began work on sections 4 (nature & extent of biota COPCs) and 7 (BERA summary) of RI.
1/14/2014	5.50	115.50	\$635.25	Working on BERA summary of RI; meeting with AECOM on RI approach
1/15/2014	6.75	115.50	\$779.63	Working on sections 4 (nature and extent of COPCs in LPR) and 7 (BERA summary) of RI
1/16/2014	0.75	115.50	\$86.63	Working on sections 4 (nature and extent of COPCs in LPR) and 7 (BERA summary) of RI
1/17/2014	5.25	115.50	\$606.38	call with Anchor QEA and other RI authors on outline/content/schedule for RI; Working on sections 4 (nature and extent of COPCs in LPR) and 7 (BERA summary) of RI
1/21/2014	6.75	115.50	\$779.63	RI - section 2 QC/edits, section 7 QC/edits (prep for internal review), began compiling figures for section 4
1/22/2014	7.00	115.50	\$808.50	RI - section 2 QC/edits; COPC/biota figures for section 4
1/23/2014	7.00	115.50	\$808.50	COPC/biota figures for section 4; section 4 tables QC/formatting; section 2 review/edits
1/24/2014	6.75	115.50	\$779.63	RI - section 2 review/edits; section 4 tables QC/formatting; worked on adding detail and improving organization of section 7
1/27/2014	7.25	115.50	\$837.38	RI - section 7 QC/edits (benthic risk assessment, and risk characterization sections); section 4 figures; QC of figure/table callouts
1/28/2014	9.75	115.50	\$1,126.13	QC of figure/table callouts for section 4 and section 2; revisions/RTCs for section 2 and section 7; compilation of figures and tables for transmittal (sections 2, 3, and 7)
Summary for Siobhan Sloan-Evans		68.00	\$7,854.00	

Thai Do

Date	Hours	Rate	Extended	Notes
1/13/2014	4.00	115.50	\$462.00	Kick-off meeting and call to discuss RI; review RI outline and begin working on Sections 2 (eco investigations) and 7 (CSM)
1/14/2014	8.00	115.50	\$924.00	Call with AECOM to discuss RI write-up strategy; review CSM and BERA, and continue work on Section 7.1
1/15/2014	8.00	115.50	\$924.00	Continue write up on Section 7 and review QAPPs and data reports to begin write up on section 2
1/16/2014	8.00	115.50	\$924.00	Complete write-up on Section 7 and continue write up on section 2
1/17/2014	8.00	115.50	\$924.00	Call with AQEA and common consultants to discuss RI strategy; work on Section 2 write up
1/18/2014	4.00	115.50	\$462.00	Work on section 2 write up
1/19/2014	6.00	115.50	\$693.00	Continue on RI section 2; work on citations, figures and tables

1/20/2014	6.00	115.50	\$693.00	Continue on RI section 2; work on citations, figures and tables for both Section 2 and 7
1/28/2014	3.00	115.50	\$346.50	Reviewing RI write-up citations for kingfisher study; follow up on RI write-up sent to Anchor
Summary for Thai Do	55.00		\$6,352.50	
Summary for Task 48 RI Support	335.25		\$44,522.63	
Summary for Passaic RI	1,668.00		\$233,362.13	

Heidi Enders

From: Alaska Airlines [alaska.it@alaskaair.com]
Sent: Wednesday, January 15, 2014 11:40 AM
To: Heidi Enders
Subject: Receipt sent from alaskaair.com

A friend has sent you the below receipt along with the following message:

Hi Heidi. This credit card receipt gets billed to Passaic Task 32.2. John



Traveler Information

Traveler	Seats **	Services Requested	Traveler Documentation
Name: John Toll			
MP#: Alaska 43350823 - Gold 75K	2C, 3D		Enter required documentation
E-Ticket: 0272139718371			

** Seat assignments are subject to change.

Flights

Flight Confirmation Code: **WCGJFH**

Flight



Alaska 14

First (F) | Nonstop | [Details](#)

Airline and Flight Number



Alaska 14

Airport

Depart Seattle (SEA)

Arrive Newark-Newark
Intl. (EWR)

Date and time

3:45 pm,
Feb 03
11:43 pm,
Feb 03

Departs

Seattle (SEA)
3:45 pm Mon, Feb 3

Arrives

Newark-Newark Intl.
(EWR)
11:43 pm Mon, Feb 3

Distance: 2,394 mi | Duration: 4hours 58minutes




Alaska 5

First (F) | Nonstop | [Details](#)

Newark-Newark Intl.
(EWR)
6:25 pm Thu, Feb 6

Seattle (SEA)
9:57 pm Thu, Feb 6

Airline and Flight Number	Airport	Date and time
 Alaska 5	Depart Newark-Newark Intl. (EWR)	6:25 pm, Feb 06
	Arrive Seattle (SEA)	9:57 pm, Feb 06

Distance: 2,394 mi | Duration: 6hours 32minutes

Total Price for 1 Traveler

\$1,636.00 including taxes & fees

Fare	Taxes & Fees	Charges
Airfare for John Toll : \$1,614.00	\$22.00	\$1,636.00
Amount Charged: \$1,636.00		

Low Price Guarantee

PRICE SUMMARY

Flight

The VISA ending with *****9479 has been charged a total of USD \$1,636.00. For additional assistance with your reservation, call Alaska Airlines Reservations at 1-888-345-3640.

Fare	Taxes & Fees	Charges
Airfare for John Toll : \$1,614.00	\$22.00	\$1,636.00
Amount Charged: \$1,636.00		

RULES & RESTRICTIONS

Flight

- This fare is fully refundable.
- Your itinerary may be changed without a service fee.
- Changes to your current itinerary may result in a higher fare and an additional collection of funds.
- Promotional discounts cannot be applied to already purchased reservations.
- [View all fare rules](#)

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- **Carry-on Baggage:** On Alaska Airlines flights, each traveler is limited to one carry-on bag that measures up to 10 x 17 x 24 inches, plus one personal item. See our [Carry-on Baggage](#) page for more information.
- **Checked Baggage:** Alaska Airlines rules and fees apply for this itinerary. The first and second checked bag fees are waived. See the [Checked Baggage](#) page for details and exceptions.

Heidi Enders

From: John Toll
Sent: Friday, January 10, 2014 5:53 AM
To: Heidi Enders
Subject: FW: Receipt from Yellow Taxi And Phone # 206 953 9737 for \$68.20

Hi Heidi. This goes on Passaic Task 32.2. John

From: Square [mailto:noreply@messaging.squareup.com]
Sent: Thursday, January 09, 2014 10:12 PM
To: John Toll
Subject: Receipt from Yellow Taxi And Phone # 206 953 9737 for \$68.20

[Trouble viewing this email?](#)



Jan 9, 2014 at 10:11pm

Receipt
#g5yo

Custom Amount **\$59.30**

Tip **\$8.90**

Total \$68.20



9479

\$68.20



Heidi Enders

From: John Toll
Sent: Monday, January 06, 2014 4:15 PM
To: Heidi Enders
Subject: FW: Here's your Gogo Receipt - Check out your Purchase Details!

Hi Heidi. This gets billed to Passaic task 32.2. John

From: Gogo [mailto:gogo@e.gogoair.com]
Sent: Monday, January 06, 2014 4:09 PM
To: John Toll
Subject: Here's your Gogo Receipt - Check out your Purchase Details!

Purchase Details - Order #74615573SPPRDAS

To ensure you receive emails from Gogo, add gogo@e.gogoair.com to your email address book.

Mobile device | Web browser

[My Account](#) | [Contact Us](#)



What a classy purchase

Thanks for your purchase! You can view your purchase history at any time by visiting [My Account](#).

Receipt Info

Order #: 74615573SPPRDAS

Date: 1/6/2014 CT

Product	Quantity	Price
Gogo Flight Pass	1	\$16.95

Payment Info

Payment Type: VISA

Payment Info: 9479

Total: \$16.95

How to get online, in air.



Turn on your Wifi enabled device



Connect to the "GogoInflight" network



Launch your browser and sign in to Gogo

253-455-4999
So. King County

Sense Form

Totals will automatically calculate.

Please review your lodging bill and separate the room expense from other expenses (which are listed below). Do not attach receipts paid for with Windward credit cards.

he of the following):

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Phone/Fax/Copies

Mileage rate: \$0.56/mile

enter amount

APPROVAL:

☐ \$1.00 for luggage

☐ Tips ☐ \$1.00 for luggage 24" size

4800 1.3
 WINDY INTERNATIONAL

Passaic 32.2
 Toll credit card rept

100-00201 2000

DATE	CLERK
AUTHORIZATION	SERVER
REFERENCE NO.	

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X *[Signature]*
 Cardholder acknowledges receipt of goods and/or services in the amount of the Total shown hereon and agrees to perform the obligations set forth in the Cardholder's agreement with the issuer.

QTY.	DESCRIPTION	AMOUNT
		43.00
SALES SLIP	TAX	1
	TIP	1.00
	MISC.	
	TOTAL	50.00

CUSTOMER COPY



Heidi Enders

From: Shana Schorsch
Sent: Friday, December 20, 2013 10:12 AM
To: Heidi Enders
Subject: FW: ScienceDirect: Document Purchase

Purchased per Matt for Passaic 45.

Shana Schorsch, Editor

200 W. Mercer Street, Suite 401 | Seattle, WA 98119

Direct line: 206-812-5412

shanas@windwardenv.com | www.windwardenv.com



please don't print this e-mail unless you really need to

From: ScienceDirect Message Center [<mailto:messagecenter@sciencedirect.com>]

Sent: Friday, December 20, 2013 9:55 AM

To: Shana Schorsch

Subject: ScienceDirect: Document Purchase

ScienceDirect

E-mail receipt of your article purchase on ScienceDirect

Thank you for using this service.

The printout of this e-mail serves as your printed receipt.

You can download these articles from your [Purchased Articles](#) for **24 hours from purchase**.

You purchased the following:

(1). The relative importance of waterborne and dietborne arsenic exposure on survival and growth of juvenile rainbow trout

Aquatic Toxicology, Volume 104, Issues 1–2, July 2011, *Pages 108-115*

Russell J. Erickson, David R. Mount, Terry L. Highland, J. Russell Hockett, Correne T. Jenson

US \$35.95

Confirmation ID: DOC11340908-01

Purchase Details:

.....
December 20, 2013 - 12:54:35 PM EST

Heidi Enders

From: Lisa Saban
Sent: Thursday, January 16, 2014 11:13 AM
To: Heidi Enders
Subject: FW: Confirmation Letter - DYUWNK 02/03/14 - from Alaska Airlines

Passaic task 45.0

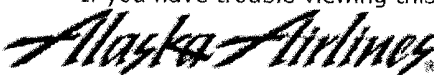
Lisa Saban
Partner
Windward Environmental, LLC
200 West Mercer St., Suite 401
Seattle, WA 98119
206-399-6095 (cell)
206-577-1288 (office)
lisas@windwardenv.com
www.windwardenv.com

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From: Alaska Airlines [<mailto:Alaska.IT@alaskaair.com>]
Sent: Wednesday, January 08, 2014 8:01 AM
To: Lisa Saban
Subject: Confirmation Letter - DYUWNK 02/03/14 - from Alaska Airlines

If you have trouble viewing this message, [click here](#) to request a plain text-only version of this email.




HOME	PLAN & BOOK	DEALS	DESTINATIONS	MILEAGE PLAN™

Confirmation Code: DYUWNK

Below is your booking confirmation. Thank you and enjoy your trip.

Need to change your flight? Visit us in advance, [online](#) or through [reservations](#).

Flight	Departs	Arrives	Class	Traveler(s)	Seat(s)
 Alaska 8 Boeing 737-900	Seattle (SEA) Mon, Feb 3 9:05 am	Newark-Newark Intl. (EWR) Mon, Feb 3 5:14 pm	F (First)	Lisa Saban David Johns	1C 1A


Alaska 5
Boeing 737-900

Newark-Newark Intl.
(EWR)
Wed, Feb 5
6:25 pm

Seattle (SEA)
Wed, Feb 5
9:57 pm

Y Lisa Saban
(Coach) David Johns

31D
31E

Summary of Airfare Charges

Lisa Saban

Mileage Plan MVP Gold Member # ****6635

Ticket 0272139603002

Base Fare and Surcharges \$1,338.61

Taxes and Other Fees \$122.39

per person total: \$1,461.00

David Johns

Mileage Plan MVP Gold 75K Member # ****6191

Ticket 0272139603003

Base Fare and Surcharges \$1,338.61

Taxes and Other Fees \$122.39

per person total: \$1,461.00

Amount Due For Air Travel

USD \$2,922.00

View All [Taxes, Fees and Charges](#)

Total Charges and Credits

\$2,922.00 was charged to the Visa card with number *****9688 held by Lisa Saban on 01/08/2014.

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Purchase trip protection benefits and travel assistance services for your trip from [Allianz Global Assistance](#). [Learn more](#)

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Heidi Enders

From: Shana Schorsch
Sent: Friday, December 20, 2013 10:12 AM
To: Heidi Enders
Subject: FW: ScienceDirect: Document Purchase

Purchased per Matt for Passaic 45.

Shana Schorsch, Editor
200 W. Mercer Street, Suite 401 | Seattle, WA 98119
Direct line: 206-812-5412
shanas@windwardenv.com | www.windwardenv.com



 please don't print this e-mail unless you really need to

From: ScienceDirect Message Center [<mailto:messagecenter@sciencedirect.com>]
Sent: Friday, December 20, 2013 10:04 AM
To: Shana Schorsch
Subject: ScienceDirect: Document Purchase

ScienceDirect

E-mail receipt of your article purchase on ScienceDirect

Thank you for using this service.
The printout of this e-mail serves as your printed receipt.

You can download these articles from your [Purchased Articles](#) for **24 hours from purchase.**

You purchased the following:

(1). Biotransformation and detoxification of inorganic arsenic in a marine juvenile fish

Terapon jarbua after waterborne and dietborne exposure

Journal of Hazardous Materials, Volumes 221–222, 30 June 2012, Pages 162–169

Wei Zhang, Liangmin Huang, Wen-Xiong Wang

US \$41.95

Confirmation ID: DOC11340917-01

Purchase Details:

.....
December 20, 2013 - 12:58:42 PM EST




Heidi Enders

From: Shana Schorsch
Sent: Friday, December 20, 2013 10:11 AM
To: Heidi Enders
Subject: FW: Thank you for your order

Purchased per Matt for Passaic 45.

Shana Schorsch, Editor
200 W. Mercer Street, Suite 401 | Seattle, WA 98119
Direct line: 206-812-5412
shanas@windwardenv.com | www.windwardenv.com



 please don't print this e-mail unless you really need to

From: Canadian Science Publishing [<mailto:pubs@nrcresearchpress.com>]
Sent: Friday, December 20, 2013 9:37 AM
To: Shana Schorsch
Subject: Thank you for your order

Dear *Shana Schorsch*,

thank you for your order. This e-mail will serve as both your order confirmation and receipt. Please print this message for your records.

Confirmation Number

- 00T203576X4603033
- Dec 20, 2013 9:36:35 AM

You have purchased

- PPV All RP Journals 2013, Canadian Journal of Fisheries and Aquatic Sciences - 67(11):pp. 1816-1826; Effects of copper, cadmium, lead, and arsenic in a live diet on juvenile fish growth, Electronic, Individual (access for 1 year for US \$25.00)
- Subtotal: \$25.00
- Shipping Cost: \$0.00
- Promotional Code/Discount: -\$0.00
- Tax: \$0.00
- Total: \$25.00
- GST/HST number: 819424656 RT0001

for user

- Shana Schorsch

Heidi Enders

From: Alaska Airlines [alaska.it@alaskaair.com]
Sent: Thursday, January 09, 2014 12:13 PM
To: Heidi Enders
Subject: Receipt sent from alaskaair.com

A friend has sent you the below receipt along with the following message:

Passaic Task 45.0



Traveler Information

Traveler	Seats **	Services Requested	Traveler Documentation
Name: Lisa Saban			
MP#: Alaska 38296635 - Gold	1A, 1A		Enter required documentation
E-Ticket: 0272139700216			
Name: David Johns			
MP#: Alaska 12486191 - Gold 75K	1C, 1C		Enter required documentation
E-Ticket: 0272139700217			

** Seat assignments are subject to change.

Flights

Flight Confirmation Code: **VNMJVE**

Flight



Alaska 8

First (F) | Nonstop | [Details](#)

Airline and Flight Number



Alaska 8

Airport

Depart Seattle (SEA)

Arrive Newark-Newark

Date and time

9:05 am,
Mar 03

5:20 pm,

Departs

Seattle (SEA)
9:05 am Mon, Mar 3

Arrives

Newark-Newark Intl.
(EWR)
5:20 pm Mon, Mar 3

Intl. (EWR)

Mar 03

Distance: 2,394 mi | Duration: 5hours 15minutes



Alaska 5

First (F) | Nonstop | [Details](#)

Airline and Flight Number

Airport

Date and time

Newark-Newark Intl. (EWR)

Seattle (SEA)



Alaska 5

Depart Newark-Newark Intl. (EWR)

6:25 pm, Mar 06

6:25 pm Thu, Mar 6

9:55 pm Thu, Mar 6

Arrive Seattle (SEA)

9:55 pm, Mar 06

Distance: 2,394 mi | Duration: 6hours 30minutes

Total Price for 2 Travelers

\$3,272.00 including taxes & fees

Fare Taxes & Fees Charges

Airfare for Lisa Saban : \$1,614.00 \$22.00 \$1,636.00

Airfare for David Johns : \$1,614.00 \$22.00 \$1,636.00

Amount Charged: \$3,272.00

[Low Price Guarantee](#)

PRICE SUMMARY

Flight

The VISA ending with *****9688 has been charged a total of USD \$3,272.00. For additional assistance with your reservation, call Alaska Airlines Reservations at 1-888-345-3640.

Fare Taxes & Fees Charges

Airfare for Lisa Saban : \$1,614.00 \$22.00 \$1,636.00

Airfare for David Johns : \$1,614.00 \$22.00 \$1,636.00

Amount Charged: \$3,272.00

RULES & RESTRICTIONS

Flight

- This fare is fully refundable.
- Your itinerary may be changed without a service fee.
- Changes to your current itinerary may result in a higher fare and an additional collection of funds.
- Promotional discounts cannot be applied to already purchased reservations.
- [View all fare rules](#)

Baggage

- **Carry-on Baggage:** On Alaska Airlines flights, each traveler is limited to one carry-on bag that measures up to 10 x 17 x 24 inches, plus one personal item. See our [Carry-on Baggage](#) page for more information.
- **Checked Baggage:** Alaska Airlines rules and fees apply for this itinerary. The first and second checked bag fees are waived. See the [Checked Baggage](#) page for details and exceptions.

Account Num: AT10002858
Invoice Num: 642068-0114

Page 6 of 8

Total Amt Due: \$866.10
Invoice Date: 01/31/2014

User: Mike Johns Confirmation #: 20040204211974 Time Zone: Eastern Time

Conference ID: 10064718 Conference Billing Code: N/A

Call Start	Type	Caller	User	Billing Code / Caller Name	Mins	Charge	Taxes/Fees	Total
01/22 11:29:14 AM	Res-DI (D)	9085344657	Part		79	\$7.9000	\$1.7696	\$9.6696
01/22 11:29:40 AM	Res-DI (D)	6107159761	Part		78	\$7.8000	\$1.7472	\$9.5472
01/22 11:29:50 AM	Res-DI (D)	3154469373	Part		78	\$7.8000	\$1.7472	\$9.5472
01/22 11:30:38 AM	Res-DI (D)	2063781364	Chair		77	\$7.7000	\$1.7248	\$9.4248
01/22 11:30:45 AM	Res-DI (D)	9736308000	Part		79	\$7.9000	\$1.7696	\$9.6696
01/22 11:31:01 AM	Res-DI (D)	2078749004	Part		75	\$7.5000	\$1.6800	\$9.1800
					466	\$46.6000	\$10.4384	\$57.0384

Handwritten: 1380.54, 45

Conference ID: 10115439 Conference Billing Code: N/A

Call Start	Type	Caller	User	Billing Code / Caller Name	Mins	Charge	Taxes/Fees	Total
01/30 11:28:03 AM	Res-DI (D)	9738838500	Part		1	\$0.1000	\$0.0224	\$0.1224
					1	\$0.1000	\$0.0224	\$0.1224

Conference ID: 10116702 Conference Billing Code: N/A

Call Start	Type	Caller	User	Billing Code / Caller Name	Mins	Charge	Taxes/Fees	Total
01/30 11:28:47 AM	Res-DI (D)	9738838500	Part		86	\$8.6000	\$1.9264	\$10.5264
01/30 11:29:08 AM	Res-DI (D)	2063781364	Chair		86	\$8.6000	\$1.9264	\$10.5264
01/30 11:30:10 AM	Res-DI (D)	9734486339	Part		84	\$8.4000	\$1.8816	\$10.2816
01/30 11:30:26 AM	Res-DI (D)	3608714397	Part		85	\$8.5000	\$1.9040	\$10.4040
01/30 11:31:14 AM	Res-DI (D)	3154469373	Part		83	\$8.3000	\$1.8592	\$10.1592
01/30 11:31:27 AM	Res-DI (D)	9085344657	Part		83	\$8.3000	\$1.8592	\$10.1592
01/30 11:33:33 AM	Res-DI (D)	2078749000	Part		81	\$8.1000	\$1.8144	\$9.9144
01/30 11:36:52 AM	Res-DI (D)	2063996095	Part		78	\$7.8000	\$1.7472	\$9.5472
					666	\$66.6000	\$14.9184	\$81.5184

Conference ID: 10125325 Conference Billing Code: N/A

Heidi Enders

From: Lisa Saban
Sent: Thursday, January 16, 2014 11:10 AM
To: Heidi Enders
Subject: FW: Here's your Gogo Receipt - Check out your Purchase Details!

Lisa Saban
Partner
Windward Environmental, LLC
200 West Mercer St., Suite 401
Seattle, WA 98119
206-399-6095 (cell)
206-577-1288 (office)
lisas@windwardenv.com
www.windwardenv.com

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From: Gogo [<mailto:gogo@e.gogoair.com>]
Sent: Tuesday, January 07, 2014 9:50 AM
To: Lisa Saban
Subject: Here's your Gogo Receipt - Check out your Purchase Details!

Purchase Details - Order #74686213TPPRDAS
To ensure you receive emails from Gogo, add gogo@e.gogoair.com to your email address book.
Mobile device | Web browser

[My Account](#) | [Contact Us](#)



What a classy purchase

Thanks for your purchase! You can view your purchase history at any time by visiting [My Account](#).

Receipt Info

Order #: 74666213TPPRDAS
Date: 1/7/2014 CT

Product	Quantity	Price
Buy 2 Hours, Get 1 Free!	1	\$15.00

Payment Info

Payment Type: VISA
Payment Info: 9688

Total: \$15.00

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1 Turn on your Wifi enabled device



2 Connect to the "GogoInflight" network



3 Launch your browser and sign in to Gogo

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Boley
SeaTac International Airport
SeaTac International Airport
P.O. Box 68727
Seattle, WA 98168
(206) 787-5308

Receipt 7870/0607/607 01/09/14 21:41:07

010100 Pay Parking Ticket 81.00 \$
01/07/14 07:45 - 01/09/14 21:40
Length of stay: 2 Dy. 13 Hr. 55 Min.
02990717374011014007279120??
0000001 SeaTacTax 3.00 \$

Total Amount 84.00 \$

Credit Visa 84.00 \$

..... Visa
148016
SABAN/LISA 0
Customer No. XXXX XXXX XXXX 9688
Amount = \$ 84.00

** Thank you **

WA Sales Tax 9.5% included

Terminal Direct \$4 per hour / \$35 max 1Day
General Parking \$3 per hour / \$28 max 1Day

Windward Environmental Expense Form

Employee: Mike Johns

Date submitted: 1/16/2014

ATTACH: Original Receipts
Copy of Conference Approval
Copy of Travel Advance

NOTE: Totals will automatically calculate.

Please review your lodging bill and separate the room expense from other expenses (which are listed below).
Do not attach receipts paid for with Windward credit cards.

Expense Types (select one of the following):

Room charge	Meals	Mileage
Travel (airfare/taxi/prkg)	Supplies	Phone/Fax/Copies
Delivery/Cartage/Shipping		

[illegible]

Date	Voucher	Expense Type	Amount	Comments	Mgr Aprv
TOTAL			\$ -		

Mileage rate: \$0.56/mile

Total Expenses:	\$	73.00
-----------------	----	-------

Less Advance: enter amount

TOTAL CLAIM: \$ 73.00

APPROVAL: _____

Adama Airport Express

Ahmed

Fast, Efficient, and Reliable

To and From the Airport and Around Town

Date: _____ Amount: 48.00

From: Scot Tips: Scot

To: Dr. J. M. Smith Total: 48.00


Signature: 

Your Receipt, Thank You
Phone: 206-261-3322

\$ 73.00

\$ 73.00

Cash

P/U TIME	DATE	0210372	
APPROVE#	INV#	ACCOUNT#	
STOP 1		CAR#	JOB#
STOP 2		FARE	25.00
TOTAL WT.		STOP	
973-484-9494		W.T.	
		TOLL	
FAX (973) 481-0014		PARKING	
WWW.CLASSICMIL.COM		GRATUITY	
1-800-482-7210		TAX	
		TOTAL:	25.00

NOT INITIAL BLANK SPACES

Task 45.00
TAXI CASH RECEIPT *Passage cost Lisa*
Newark, N.J.

Cab No. _____ Date 1/7/2014

Pick-up from Newark int'l Airport

To Harrison

Amount \$ 40.00

- ☐ Inc. Tolls ☐ Luggage ☐ Several Stops
☐ Tips ☐ \$1.00 for luggage

Passage 45.8
Per
Bert

W UNIVERSITY LIBRARIES
UNIVERSITY of WASHINGTON

Invoice # LIB004943 ✓

Billing Date: 1/8/2014 ✓

Budget #14-0500

Bill to:

Berit Bergquist
Windward Environmental
200 W. Mercer St.
Suite 401
Seattle, WA 98119

Mail Payment to:

University of Washington
Invoice Receivables
PO Box 94224
Seattle, WA 98124-6524

Due Date

2/8/14 ✓

Please include your invoice number on your check

Total Due (US Funds)

\$21.90

Make checks payable to: University of Washington
Pay by VISA or Mastercard at <https://p.lib.washington.edu/payment/ill.do>

Federal Tax ID #91-6001537

Transaction #	Citation	Amount
1021374	Bleavins, MR and Aulerich RJ. Feed consumption and food passage time in mink (Mustela vison) and European ferrets (Mustela putorius furo).. Laboratory Animal Science 31 (1981): 268-269 Article from the UW Libraries. Billing Notes: 1beritbergquist -	\$20.00

Subtotal: \$20.00

Tax: \$1.90

Total: **\$21.90**

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Billing Questions: 206-221-3420

Thank you for using UW Libraries Interlibrary Loan and Document Delivery Services!

Heidi Enders

From: Matt Luxon
Sent: Thursday, January 16, 2014 8:54 AM
To: Heidi Enders
Subject: FW: Thank you for your order

Hi Heidi,
Here is the receipt you were looking for.

Sorry I didn't see it come in. I missed it sorting through my e-mails post holiday. :)

Matt

From: Canadian Science Publishing [<mailto:pubs@nrcresearchpress.com>]
Sent: Monday, December 30, 2013 5:06 PM
To: Matt Luxon
Subject: Thank you for your order

Dear *Mr Matthew Luxon*,

thank you for your order. This e-mail will serve as both your order confirmation and receipt. Please print this message for your records.

Confirmation Number

- 3GX58219J15769605
- Dec 30, 2013 5:05:45 PM

You have purchased

- PPV All RP Journals 2013, Canadian Journal of Fisheries and Aquatic Sciences - 67(11):pp. 1816-1826; Effects of copper, cadmium, lead, and arsenic in a live diet on juvenile fish growth, Electronic, Individual (access for 1 year for US \$25.00)
- Subtotal: \$25.00
- Shipping Cost: \$0.00
- Promotional Code/Discount: -\$0.00
- Tax: \$0.00
- Total: \$25.00
- GST/HST number: 819424656 RT0001

for user

- Mr Matthew Luxon

Your credit card

- VISA
- XXXXXXXXXXXXX3290
- 2/2015

with billing address

- Matthew Luxon
200 West Mercer st.
Suite 401
Seattle, WA 98225
United States
360-543-7882

has been charged for

- \$25.00

To gain access to your article, please go to: NRC Research Press, select the journal title, the appropriate volume/issue, and from the table of contents click on the PDF link to your article.

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Canadian Science Publishing


Heidi Enders

From: Matt Luxon
Sent: Monday, December 30, 2013 5:49 PM
To: Heidi Enders
Subject: FW: ScienceDirect: Document Purchase

Heidi,
Here is a receipt for a article charged to my cc. It can be charged to passaic uncertainty.

Thanks,
Matt

From: ScienceDirect Message Center [<mailto:messagecenter@sciencedirect.com>]
Sent: Monday, December 30, 2013 5:46 PM
To: Matt Luxon
Subject: ScienceDirect: Document Purchase

ScienceDirect

E-mail receipt of your article purchase on ScienceDirect

Thank you for using this service.
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You can download these articles from your Purchased Articles for **24 hours from purchase.**

You purchased the following:

(1). The relative importance of waterborne and dietborne arsenic exposure on survival and growth of juvenile rainbow trout

Aquatic Toxicology, Volume 104, Issues 1–2, July 2011, *Pages 108-115*

Russell J. Erickson, David R. Mount, Terry L. Highland, J. Russell Hockett, Correne T. Jenson

US \$35.95

Confirmation ID: DOC11350661-01

Purchase Details:

.....
December 30, 2013 - 08:43:44 PM EST

Matthew Luxon
200 West Mercer St
Suite 401
Seattle, WA 98119
United States
mattl@windwardenv.com

Heidi Enders

From: service@acs.org
Sent: Monday, December 30, 2013 5:55 PM
To: Matt Luxon
Subject: ACS Article Purchase Confirmation

Follow Up Flag: Follow up
Flag Status: Flagged

Dear Matt Luxon,

Your purchase is complete. Thank you for your order. This email will serve as both your order confirmation and your receipt.

Please print this message for your records.

Confirmation Number VTYAB54C0D94 Dec 30, 2013 8:54:32 PM
You have purchased [

Unifying Prolonged Copper Exposure, Accumulation, and Toxicity from Food and Water in a Marine Fish

Environmental Science & Technology, **2012**, 46 (6), pp 3465–3471
(access for 48 hours of access for US \$35.00)] for user Matt Luxon
Your credit card containing the following billing address has been charged:
XXXXXXXXXXXX3290

Matthew Luxon
200 West Mercer st.
Suite 401
Seattle
WA
98119
United States
3605437882
\$35.00

If you have questions or require assistance, please contact the ACS Help Desk:

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